





*h. m. s. B. Bush*

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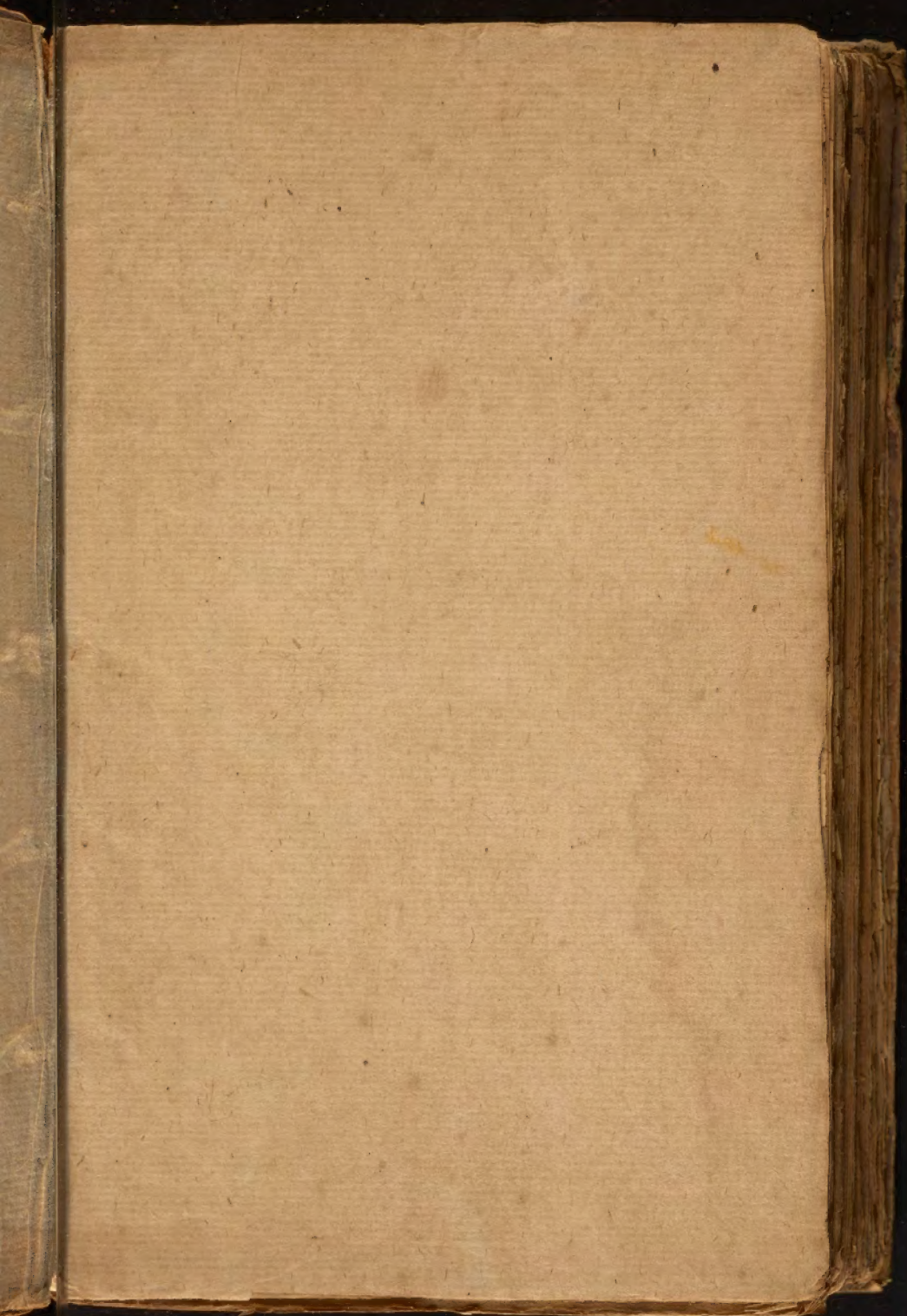
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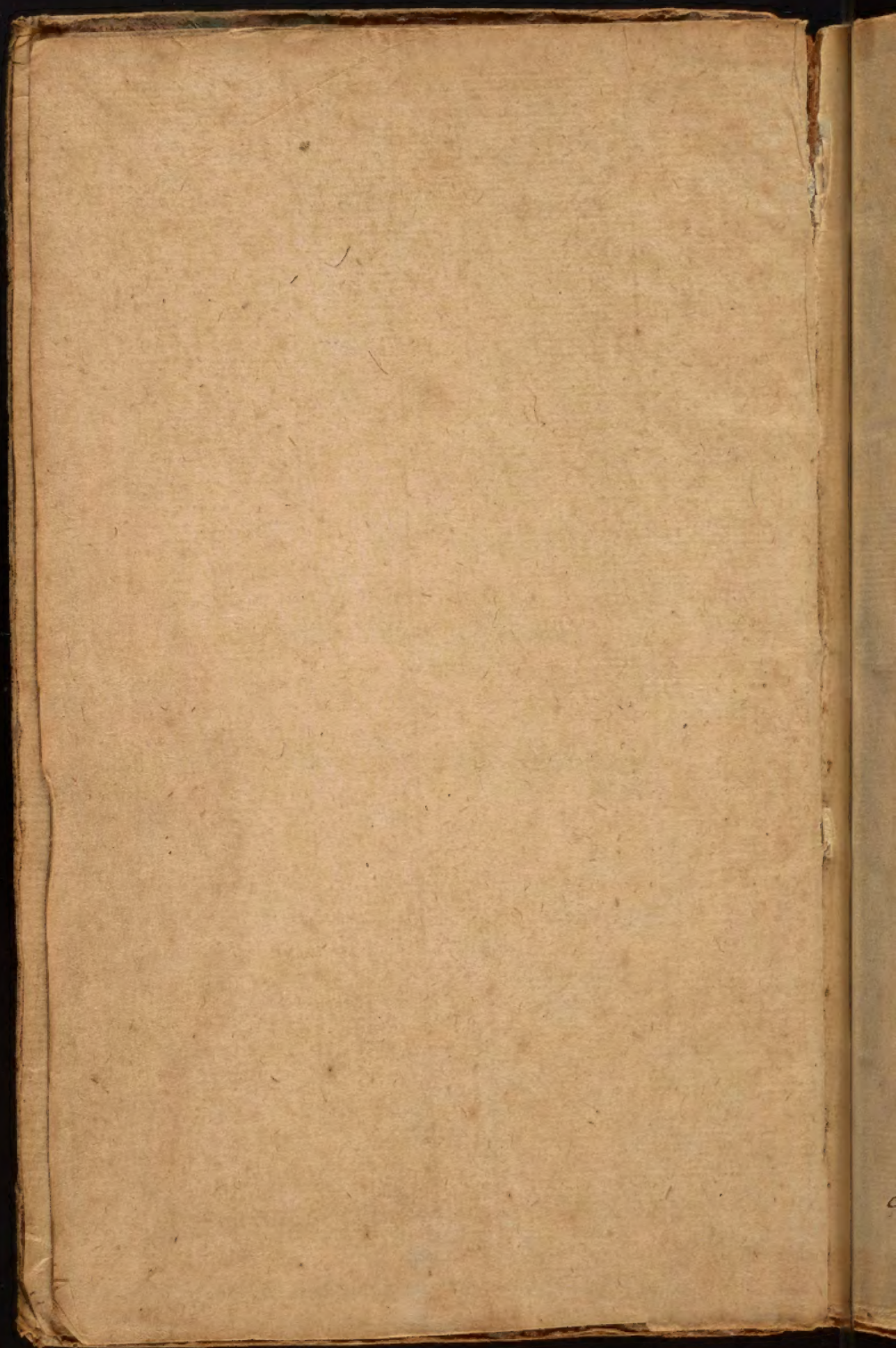
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Lectures  
on the Practice of Physic

by

Wm. Cullen M.D.

Professor of Medicine in the  
University of Edinburgh. -

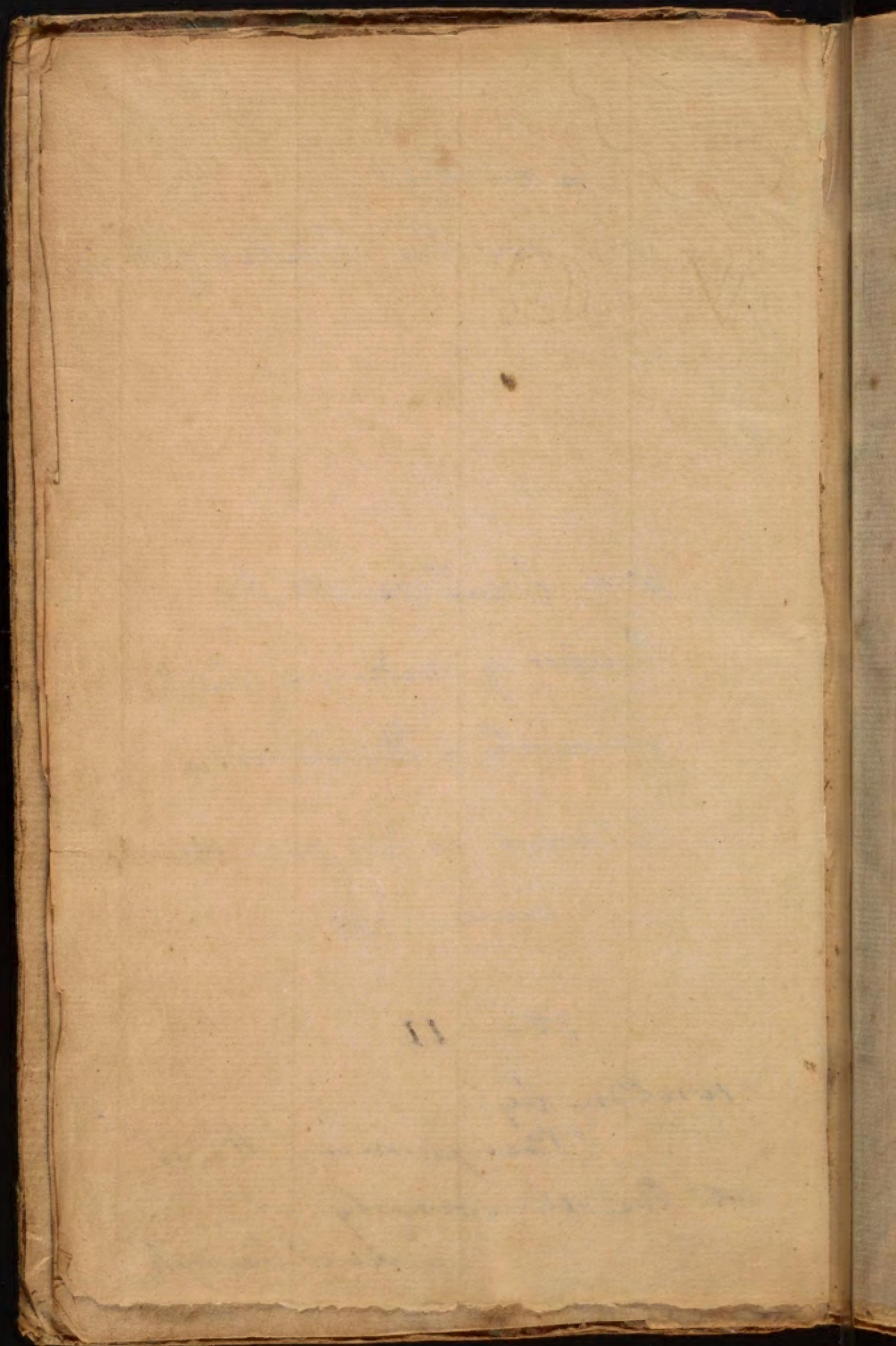
delivered in his own House

anno 1768. -

Vol. II

written by  
~~written by~~ Benjamin Rush  
at the University of  
Edinburgh.

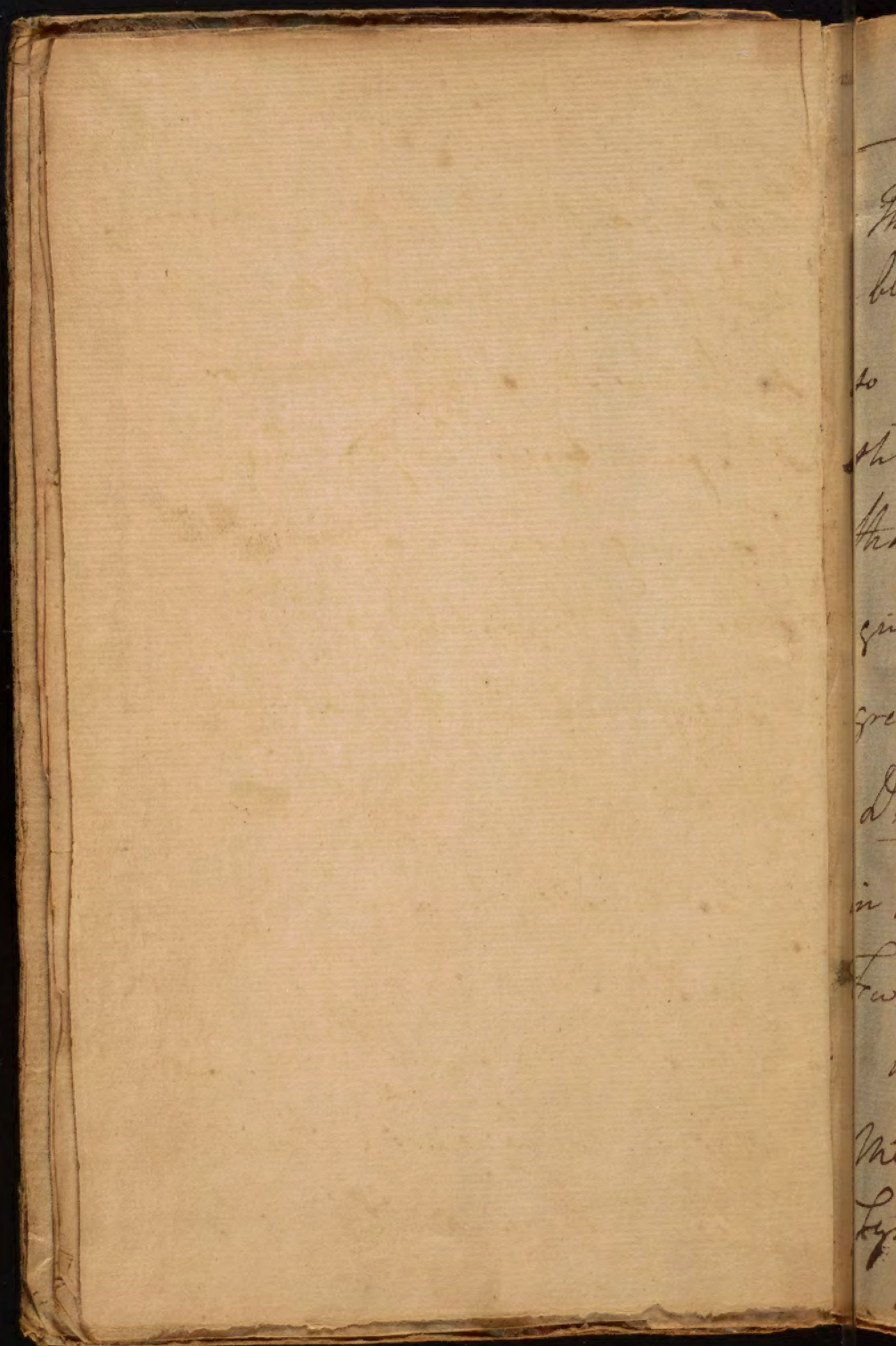














The bark sh<sup>d</sup>. be given in considerable Quantities in Intermitte<sup>n</sup>ts, so likewise in Continual Fevers we sh<sup>d</sup>. give it in larger Quantities than is generally done. Dr. Haen give ʒi of the Extract every day with great success in the Petechial Fevers.

Dr. Pringle I think ~~he~~ gave it in too small Quantities in  $\frac{1}{4}$  of a Fever to do any great service.

We come now to treat of the Medicines w<sup>h</sup> excite the Arterial System. these are stimulants.



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What are then Stimulating Medicines?  
all Stimulants are more or less Anti-  
-spasmodic. may not their virtues  
depend upon their Antispasmodic Quali-  
-ties? I cannot say Wine, Cantharida  
& Serpentaria act in this way. the Con-  
-tharida is of weak virtues. it is gene-  
rally given w<sup>th</sup> other medicines w<sup>ch</sup> prevent  
our knowing its Effects. the Serpentaria  
is a more active medicine. but  
it is very heating & sometimes upon y<sup>h</sup>  
her<sup>h</sup>: not very safe. as an Antisp<sup>optic</sup>~~asmodic~~  
it acts only on the nervous System. I  
know of no Medicine that acts as Anti-





Septic on the Solids.

The wine is the most powerful stimulus we are acquainted with. it sh<sup>d</sup>: always be given in pretty large Quantities. It does mischief in all Inflamm<sup>s</sup>: & Fevers, & must be given only in the advanced state of Fevers arising from Debility. the Circumstances w<sup>h</sup>: determine the free use of wine are 1<sup>st</sup>: the Force of Habit. if a man has been used to drink a great deal of wine in Health, he must be indulged in it in a Fever.

2<sup>nd</sup>: the Patients Appetites. these sh<sup>d</sup>: always be consulted & gratified. —





3.<sup>d</sup> we sh. use it cautiously & give those wines chiefly <sup>or</sup> we have least brandy in them such as Claret Portee.

The next medicines to ~~also~~ restore the equal action of the Locomotor are Antispasmodics.

It is difficult to tell how these Operate in anginas, much more in ~~fevers~~ <sup>fevers</sup>. we shall first point out ~~to~~ a few of them <sup>or</sup> we are most generally used such as Opium. Camphor Musk & Vol. Salts.

Opium

This Operates as a sedative & Stimulant - It is hard to restrict the Effects of this



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Medicine. It is so stimulating as to be  
 hurtful in all Inflamm<sup>4</sup>: Diseases,  
 except merely as a palliatives. It  
 should not therefore be admitted in the  
 inflamm<sup>4</sup>: state of Fevers. but in  
 Fevers attended w<sup>th</sup> Debility Opium  
 may be used as a stimulant w<sup>th</sup> great  
 Advantage. It is seldom used in Fevers.  
 Wine is substituted in its Room for the  
 most part. It does most service by its  
 sedative powers. how then can it be  
 useful in Fevers where <sup>the</sup> sedative powers  
 prevail? In the advanced state of Fevers  
 we often see an imperfect maniacal



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Delirium attended w: <sup>th</sup> Spasms &  
convulsive Motions w: <sup>th</sup> any Inflammation  
or Determination to the Brain.  
<sup>in this Case</sup> Opium has been found highly useful  
in removing the Irritation w: <sup>th</sup> kept  
up the Disease. here the Opium Operates  
only as a Sedative. But if this  
is the Case it ought not to be given w: <sup>th</sup> the  
view of exciting the vigour of <sup>e</sup> Sensorium.  
- It is designed to remove the Nervous  
Spasm & not the Inflammatory. Besides  
the Symptoms w: <sup>th</sup> Opium relieves are  
Symptomata Causae or Symptomatum  
w: <sup>th</sup> do not properly belong to Fever.



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The sensorium is excited beyond  
measure at a time when <sup>the</sup> Circulation  
is languid. This we see in Maniacal  
Patients who have no symptoms of  
Fever. There is something in my opinion  
of the maniacal state combined <sup>the</sup> with:  
Fever w: gives a species of Delirium  
if has not yet been attended to. It  
is in these cases only that Opium must  
be given & in pretty large doses too do y:  
we may depend upon its exerting its  
sedative powers or we shall do harm. in  
all those cases where wine does service I  
think Opium w: answer equally well.



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Camphor & Musk

Both these med

I have seen ~~Camphor~~ ~~or Musk~~ given 100 times  
without doing Good or Service. perhaps  
the Reason was they were given in  
too small Doses, or were adulterated.

- they sh<sup>d</sup>. be given so as to act as Pe-  
tive in Order to take off any Irritation  
from the Intestines occasioned by  
the Febrile Spasm or Other Causes: if  
we expect any Advantage from them we  
must give them in large Doses.

Volatile Alkali

This has of late been given very largely  
since its Antiseptic virtues have been



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found out. but Nitre is equally serviceable upon this Ac<sup>t</sup>. & sometimes better upon the Ac<sup>t</sup> of the Stimulus of <sup>the</sup> Alkali. It must be given chiefly in Cases of great Debility.

we come now to y<sup>3</sup> <sup>thing propo:ing for of Fevers</sup>

III Indication w: was to Obviate

Putrefaction. This may be subdivided again into 3 Heads. 1<sup>st</sup> withdrawing Tones

2 the Application of Antiseptics.

3<sup>rd</sup> the Use of Tonics. —

1<sup>st</sup> By withdrawing Tones I mean removing every thing y<sup>t</sup> promotes Putrefaction such as <sup>the</sup> Stimuli &



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such things as increase the Heat of <sup>the</sup> Body - By <sup>2<sup>nd</sup></sup> removing all animal Affluvia - & by frequently <sup>cooling</sup> the Air in his Room & changing his Bed Cloaths.

This is of the utmost consequence more especially in Cases of profuse Sweats <sup>ch</sup> w. they rather cure are than check as some have supposed - 3<sup>rd</sup> By evacuating Bile. This is often the Seat of putrid Ferments, & ~~if~~ suffered to remain in the Alimentary Canal may be absorbed & thus increase the Disease. by expelling the putrid Ferment by Sweats. I use this ~~L~~ Indication in Compliance <sup>th</sup> w. the common Language of Authors Good



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## Fiebre

do not think any Ferment when receiv<sup>d</sup>  
into y<sup>e</sup> body can be expelled by sweating  
in y<sup>e</sup> manner some suppose.

2<sup>nd</sup> to Obviate Putrefaction we said  
we must apply Antiseptics - there  
are, Cold w<sup>ch</sup> diminish<sup>es</sup> that w<sup>ch</sup> we  
know increases Putrefaction. 2 by  
plentiful Dilution. Diffusion we know  
renders all Acrimony weaker, especially  
in the prima via. 3<sup>rd</sup> by Vegetable Ali-  
ment w<sup>ch</sup> is of Alkaliment & tends to  
introduce a portion of Acid into y<sup>e</sup> body.  
Acid Drinks answer this purpose admir-  
ably 4<sup>th</sup> by Acids especially those of the  
vegetable kind. Topical Acids are



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likewise highly useful Altho' they never  
reach the mass of blood but act w:  
advantage in the primæ viæ. 5. Neutral  
Salts. 6. Bitters. Astringents &c.

3<sup>rd</sup> tonic medicines. I said Petrefac-  
tion arose from a Loss of Tone in the  
Vessels. I would therefore under this  
Head recommend all the medicines I  
have been ordered to restore the virens  
nature. the most powerful of these  
are Cold & Warm of w. I have spoke  
before. This finishes our general Acc:  
of Fevers. we shall next proceed to  
treat of the Species of Fevers.





As we have said so much on Fevers  
in general <sup>+</sup> we shall ~~now~~ be very short  
upon this subject. There is but One  
Genus of Intermittents <sup>is</sup> w: a tertian.  
95 Intermittent Fevers out of a 100 are  
of the tertian kind <sup>is</sup> w: shows us that  
there is <sup>a</sup> uniform Tendency in Inter-  
mittent Fevers to this Type. all other Inter-  
mittents appear to be Corruptions of the  
true Tertian. The Quartan is of a Fever  
of this kind. It often shifts into the  
Tertian & the Tertian into it again.  
upon w: Causes this depends has not  
been explained. as to  $\frac{2}{4}$  Quotidian



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Fever they appear evidently to be con-  
-Re Intians. The Observations that w?  
establish Quotidians are very doubtful.  
Riverius says out of 100 Intermitents  
not one are Quotidian. Mercurialis  
says y<sup>t</sup> from 100 years practise he never  
saw one of them. Clephorn & Lenai deny  
them having ever seen it, by taking no  
notice of it. all Remittents are varieties  
of the Intermitents.

we are already sufficiently acquaint-  
-ed w<sup>th</sup> the Theory of Intermitents do y<sup>r</sup>.  
I shall add nothing but y<sup>r</sup> Subject.  
I go on therefore to speak of y<sup>e</sup> usual



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Practice in curing Intermittents

This Practice is of two kinds, <sup>consisting in</sup> 1 Such Medicines as are given during the <sup>2</sup> Fit & 2 Such as are given during the Intermittion of the Fever.

The Remedies employed during the Fit to moderate the spasms are neutral salts & vomits. The neutral salts used in these Cases are Saline mixture Sal Ammoniac & Sal Digestiv: —

The 1<sup>st</sup> is employed in too small Doses. For the 2<sup>nd</sup> see Dr <sup>Bowen</sup> ~~Boerhaave~~ upon it. The Sal Digestiv: is of <sup>the</sup> same nature as Sal Ammoniac. They all tend to shorten the hot Fit, & to procure longer





Intermissions. They seldom perform entire cures alone.

The Emetics are of various kinds. The vitriol of copper has been of ~~late~~ lately highly commended. it operates in the same way as common Emetics. all Emetics may be given during  $\frac{2}{3}$  of the <sup>the</sup> Advantage. I think this is a better practice than to wait till nature brings on a vomiting or a sweat. They do most service when given so as to excite a simple nausea as they then generally purge a little. But in Cases of an Effusion of Bile into  $\frac{2}{3}$  of Alimentary Canal



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## Interm. Fever

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a vomit should be given.

Some join Cathartics <sup>th</sup> w: <sup>th</sup> Emmetics  
in Intermitting Fevers. Hence most of  
our Fever medicines have something  
purgative united <sup>th</sup> w: them. I think Prepa-  
rations of  $\frac{1}{2}$  oz? be combined <sup>th</sup> w: Antimony  
I have and it <sup>th</sup> w:  $\frac{1}{2}$  Emmetic <sup>th</sup> w: great  
advantage in the beginning of Fevers.  
- all Emmetics act in <sup>th</sup> same way as  $\frac{1}{2}$   
neutral salts viz: by moderating the  
Fits & prolonging the Intermission. They  
sometimes cure Intermittents but generally  
something else is required.

What is to be done when Leucats do



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not succeed the hot Bitt? the saline mixture sometimes produces this sweat. it is a more useful medicine for this purpose than Sp: Mindereri. if it sh<sup>d</sup>. fail we must have Recourse to <sup>the</sup> Emmetic.

For an Acc<sup>t</sup> of the Regimen in Intermittents see Yenae.

2<sup>nd</sup> we come now to treat of <sup>the</sup> Remedies used during the Intermittion.

These act by removing the Atonia of the System. 1<sup>st</sup> it is done by exciting a hot Bitt before the usual time it comes on, 2<sup>d</sup> by Neutral Salts - by Emmetics 3<sup>rd</sup> by putting the Patient to Bed, and

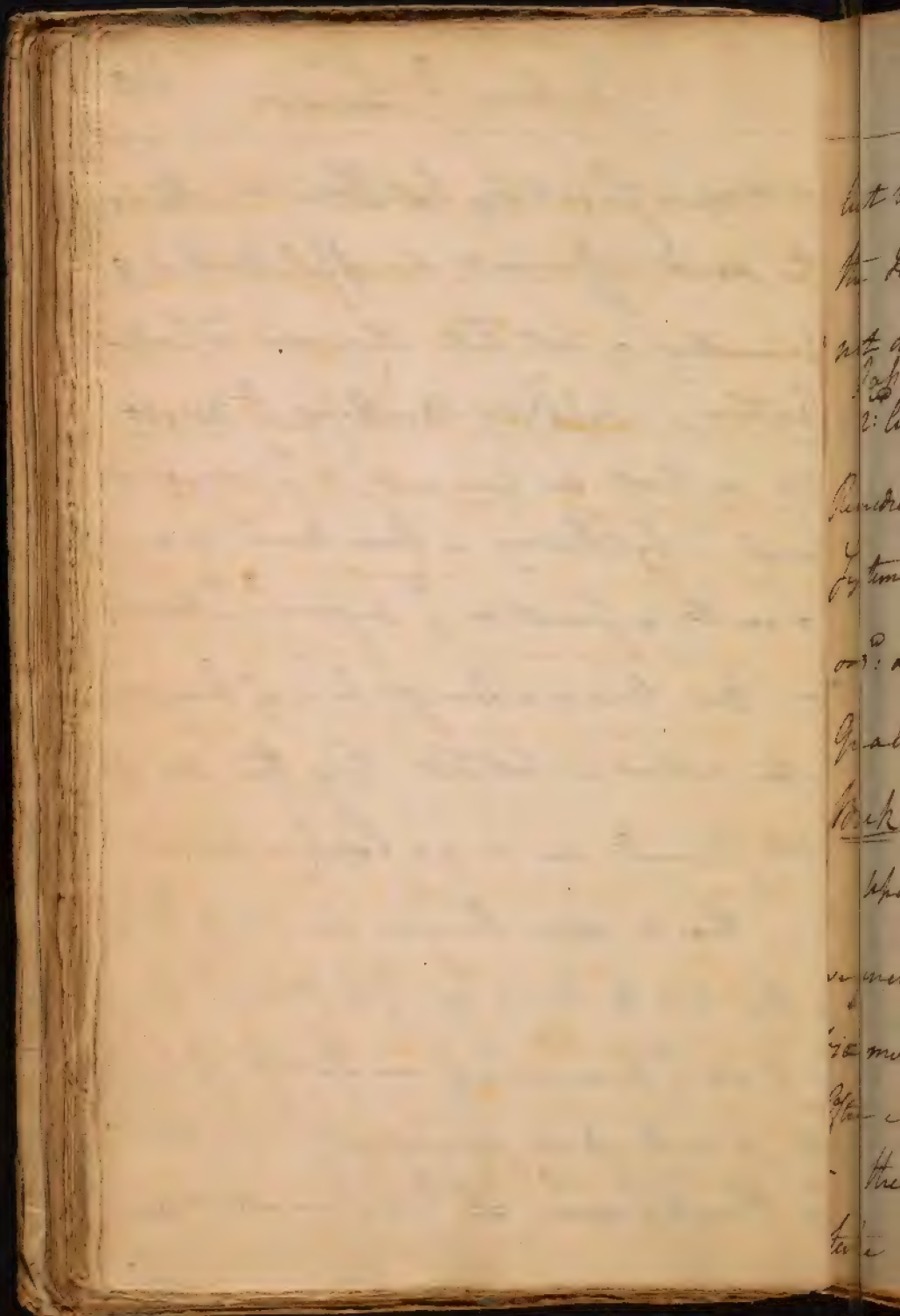


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exciting a sweat by hot Drinks. This is  
the most efficacious & successful method of  
promoting a hot Litt when used w<sup>th</sup> proper  
Caution. by 4. Cold-bathing. Dr. Morgan  
tells us that he has used it w<sup>th</sup> very great  
Success. by 5. Riding a Horse back to as  
to excite a sweat or  $\frac{1}{2}$  vigour of  $\frac{1}{2}$  Sensori-  
um. But there is a Danger here of bringing  
on too violent a hot Litt. 6. by the use of  
Direct Stimuli such as Pepper, Nutmeg  
&c. there is more Danger in using these  
as they tend to bring on  $\frac{1}{2}$  Inflamm<sup>n</sup>: Dia-  
thesis & all  $\frac{1}{2}$  Inconveniences of an Excess of hot  
Litt. It is therefore universally rejected  
by Practitioners. all these Remedies are





## Interm: Fever

but temporary & altho' they break into  
the Habit of Intermittents yet they do  
not destroy this Habit. <sup>2<sup>d</sup></sup> Stimulat.  
Passions of the mind. — <sup>2<sup>d</sup></sup>  
2: let us ~~look~~ speak of y<sup>e</sup> internal  
Remedies used to restore the Force of the  
System. these are 1: Retrievants 2: Bitters  
or<sup>d</sup>: a medicine w<sup>h</sup> has both these  
Qualities united in it viz: y<sup>e</sup> Russian  
Wack.

Upon the first Approach of Intermittents  
we generally order a vomit as y<sup>e</sup> prime  
via must be abound w<sup>th</sup> vitiated Bile w<sup>h</sup>.  
Often contains the Focus of the Disease.  
The Belly sh<sup>d</sup>: next be opened to  
take off the Spasm w<sup>h</sup> from y<sup>e</sup> increased



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Determination of Blood to  $\gamma$  belly are  
for  $\gamma$  most part Obstructed by a  
Spasm. Th<sup>o</sup> we suffer Intermitt-  
ing Fevers to run on any time? Ex-  
ercise does not determine this Question.  
The Repetition of hot Pitt some days  
more restores the system to its proper form.  
When the inflam<sup>y</sup> Diathesis prevails it may  
be useful. in hot climates we must  
never trust to nature for  $\gamma$  Paroxysms  
are sometimes so severe as to kill on their  
first Attack. Neutral Salts therefore and  
Bark th<sup>o</sup> be given as soon as possible.

Our chief Dependence must be placed  
upon this last Medicine. we shall



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# Intermittent Fevers 247

add a few things concerning the manner of exhibiting it. Many controversies have been agitated concerning it. Physicians a few years ago were strangely prejudiced against it upon the authority of trusting so much to the efforts of nature in the cure of Intermittents.

But this is a wrong practise. I know of no salutary effects in Intermittents.

all that has been said in their favor has been founded on a few facts that do by no means admit of such

Inferences from them. Van Swieten says they are wholesome by improving the varium vite Genus, but I deny it.



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## Interm. Fever

Much has been said too <sup>or</sup> <sup>c</sup> <sup>1</sup> <sup>2</sup> <sup>3</sup> <sup>4</sup> <sup>5</sup> <sup>6</sup> <sup>7</sup> <sup>8</sup> <sup>9</sup> <sup>10</sup> <sup>11</sup> <sup>12</sup> <sup>13</sup> <sup>14</sup> <sup>15</sup> <sup>16</sup> <sup>17</sup> <sup>18</sup> <sup>19</sup> <sup>20</sup> <sup>21</sup> <sup>22</sup> <sup>23</sup> <sup>24</sup> <sup>25</sup> <sup>26</sup> <sup>27</sup> <sup>28</sup> <sup>29</sup> <sup>30</sup> <sup>31</sup> <sup>32</sup> <sup>33</sup> <sup>34</sup> <sup>35</sup> <sup>36</sup> <sup>37</sup> <sup>38</sup> <sup>39</sup> <sup>40</sup> <sup>41</sup> <sup>42</sup> <sup>43</sup> <sup>44</sup> <sup>45</sup> <sup>46</sup> <sup>47</sup> <sup>48</sup> <sup>49</sup> <sup>50</sup> <sup>51</sup> <sup>52</sup> <sup>53</sup> <sup>54</sup> <sup>55</sup> <sup>56</sup> <sup>57</sup> <sup>58</sup> <sup>59</sup> <sup>60</sup> <sup>61</sup> <sup>62</sup> <sup>63</sup> <sup>64</sup> <sup>65</sup> <sup>66</sup> <sup>67</sup> <sup>68</sup> <sup>69</sup> <sup>70</sup> <sup>71</sup> <sup>72</sup> <sup>73</sup> <sup>74</sup> <sup>75</sup> <sup>76</sup> <sup>77</sup> <sup>78</sup> <sup>79</sup> <sup>80</sup> <sup>81</sup> <sup>82</sup> <sup>83</sup> <sup>84</sup> <sup>85</sup> <sup>86</sup> <sup>87</sup> <sup>88</sup> <sup>89</sup> <sup>90</sup> <sup>91</sup> <sup>92</sup> <sup>93</sup> <sup>94</sup> <sup>95</sup> <sup>96</sup> <sup>97</sup> <sup>98</sup> <sup>99</sup> <sup>100</sup> <sup>101</sup> <sup>102</sup> <sup>103</sup> <sup>104</sup> <sup>105</sup> <sup>106</sup> <sup>107</sup> <sup>108</sup> <sup>109</sup> <sup>110</sup> <sup>111</sup> <sup>112</sup> <sup>113</sup> <sup>114</sup> <sup>115</sup> <sup>116</sup> <sup>117</sup> <sup>118</sup> <sup>119</sup> <sup>120</sup> <sup>121</sup> <sup>122</sup> <sup>123</sup> <sup>124</sup> <sup>125</sup> <sup>126</sup> <sup>127</sup> <sup>128</sup> <sup>129</sup> <sup>130</sup> <sup>131</sup> <sup>132</sup> <sup>133</sup> <sup>134</sup> <sup>135</sup> <sup>136</sup> <sup>137</sup> <sup>138</sup> <sup>139</sup> <sup>140</sup> <sup>141</sup> <sup>142</sup> <sup>143</sup> <sup>144</sup> <sup>145</sup> <sup>146</sup> <sup>147</sup> <sup>148</sup> <sup>149</sup> <sup>150</sup> <sup>151</sup> <sup>152</sup> <sup>153</sup> <sup>154</sup> <sup>155</sup> <sup>156</sup> <sup>157</sup> <sup>158</sup> <sup>159</sup> <sup>160</sup> <sup>161</sup> <sup>162</sup> <sup>163</sup> <sup>164</sup> <sup>165</sup> <sup>166</sup> <sup>167</sup> <sup>168</sup> <sup>169</sup> <sup>170</sup> <sup>171</sup> <sup>172</sup> <sup>173</sup> <sup>174</sup> <sup>175</sup> <sup>176</sup> <sup>177</sup> <sup>178</sup> <sup>179</sup> <sup>180</sup> <sup>181</sup> <sup>182</sup> <sup>183</sup> <sup>184</sup> <sup>185</sup> <sup>186</sup> <sup>187</sup> <sup>188</sup> <sup>189</sup> <sup>190</sup> <sup>191</sup> <sup>192</sup> <sup>193</sup> <sup>194</sup> <sup>195</sup> <sup>196</sup> <sup>197</sup> <sup>198</sup> <sup>199</sup> <sup>200</sup> <sup>201</sup> <sup>202</sup> <sup>203</sup> <sup>204</sup> <sup>205</sup> <sup>206</sup> <sup>207</sup> <sup>208</sup> <sup>209</sup> <sup>210</sup> <sup>211</sup> <sup>212</sup> <sup>213</sup> <sup>214</sup> <sup>215</sup> <sup>216</sup> <sup>217</sup> <sup>218</sup> <sup>219</sup> <sup>220</sup> <sup>221</sup> <sup>222</sup> <sup>223</sup> <sup>224</sup> <sup>225</sup> <sup>226</sup> <sup>227</sup> <sup>228</sup> <sup>229</sup> <sup>230</sup> <sup>231</sup> <sup>232</sup> <sup>233</sup> <sup>234</sup> <sup>235</sup> <sup>236</sup> <sup>237</sup> <sup>238</sup> <sup>239</sup> <sup>240</sup> <sup>241</sup> <sup>242</sup> <sup>243</sup> <sup>244</sup> <sup>245</sup> <sup>246</sup> <sup>247</sup> <sup>248</sup> <sup>249</sup> <sup>250</sup> <sup>251</sup> <sup>252</sup> <sup>253</sup> <sup>254</sup> <sup>255</sup> <sup>256</sup> <sup>257</sup> <sup>258</sup> <sup>259</sup> <sup>260</sup> <sup>261</sup> <sup>262</sup> <sup>263</sup> <sup>264</sup> <sup>265</sup> <sup>266</sup> <sup>267</sup> <sup>268</sup> <sup>269</sup> <sup>270</sup> <sup>271</sup> <sup>272</sup> <sup>273</sup> <sup>274</sup> <sup>275</sup> <sup>276</sup> <sup>277</sup> <sup>278</sup> <sup>279</sup> <sup>280</sup> <sup>281</sup> <sup>282</sup> <sup>283</sup> <sup>284</sup> <sup>285</sup> <sup>286</sup> <sup>287</sup> <sup>288</sup> <sup>289</sup> <sup>290</sup> <sup>291</sup> <sup>292</sup> <sup>293</sup> <sup>294</sup> <sup>295</sup> <sup>296</sup> <sup>297</sup> <sup>298</sup> <sup>299</sup> <sup>300</sup> <sup>301</sup> <sup>302</sup> <sup>303</sup> <sup>304</sup> <sup>305</sup> <sup>306</sup> <sup>307</sup> <sup>308</sup> <sup>309</sup> <sup>310</sup> <sup>311</sup> <sup>312</sup> <sup>313</sup> <sup>314</sup> <sup>315</sup> <sup>316</sup> <sup>317</sup> <sup>318</sup> <sup>319</sup> <sup>320</sup> <sup>321</sup> <sup>322</sup> <sup>323</sup> <sup>324</sup> <sup>325</sup> <sup>326</sup> <sup>327</sup> <sup>328</sup> <sup>329</sup> <sup>330</sup> <sup>331</sup> <sup>332</sup> <sup>333</sup> <sup>334</sup> <sup>335</sup> <sup>336</sup> <sup>337</sup> <sup>338</sup> <sup>339</sup> <sup>340</sup> <sup>341</sup> <sup>342</sup> <sup>343</sup> <sup>344</sup> <sup>345</sup> <sup>346</sup> <sup>347</sup> <sup>348</sup> <sup>349</sup> <sup>350</sup> <sup>351</sup> <sup>352</sup> <sup>353</sup> <sup>354</sup> <sup>355</sup> <sup>356</sup> <sup>357</sup> <sup>358</sup> <sup>359</sup> <sup>360</sup> <sup>361</sup> <sup>362</sup> <sup>363</sup> <sup>364</sup> <sup>365</sup> <sup>366</sup> <sup>367</sup> <sup>368</sup> <sup>369</sup> <sup>370</sup> <sup>371</sup> <sup>372</sup> <sup>373</sup> <sup>374</sup> <sup>375</sup> <sup>376</sup> <sup>377</sup> <sup>378</sup> <sup>379</sup> <sup>380</sup> <sup>381</sup> <sup>382</sup> <sup>383</sup> <sup>384</sup> <sup>385</sup> <sup>386</sup> <sup>387</sup> <sup>388</sup> <sup>389</sup> <sup>390</sup> <sup>391</sup> <sup>392</sup> <sup>393</sup> <sup>394</sup> <sup>395</sup> <sup>396</sup> <sup>397</sup> <sup>398</sup> <sup>399</sup> <sup>400</sup> <sup>401</sup> <sup>402</sup> <sup>403</sup> <sup>404</sup> <sup>405</sup> <sup>406</sup> <sup>407</sup> <sup>408</sup> <sup>409</sup> <sup>410</sup> <sup>411</sup> <sup>412</sup> <sup>413</sup> <sup>414</sup> <sup>415</sup> <sup>416</sup> <sup>417</sup> <sup>418</sup> <sup>419</sup> <sup>420</sup> <sup>421</sup> <sup>422</sup> <sup>423</sup> <sup>424</sup> <sup>425</sup> <sup>426</sup> <sup>427</sup> <sup>428</sup> <sup>429</sup> <sup>430</sup> <sup>431</sup> <sup>432</sup> <sup>433</sup> <sup>434</sup> <sup>435</sup> <sup>436</sup> <sup>437</sup> <sup>438</sup> <sup>439</sup> <sup>440</sup> <sup>441</sup> <sup>442</sup> <sup>443</sup> <sup>444</sup> <sup>445</sup> <sup>446</sup> <sup>447</sup> <sup>448</sup> <sup>449</sup> <sup>450</sup> <sup>451</sup> <sup>452</sup> <sup>453</sup> <sup>454</sup> <sup>455</sup> <sup>456</sup> <sup>457</sup> <sup>458</sup> <sup>459</sup> <sup>460</sup> <sup>461</sup> <sup>462</sup> <sup>463</sup> <sup>464</sup> <sup>465</sup> <sup>466</sup> <sup>467</sup> <sup>468</sup> <sup>469</sup> <sup>470</sup> <sup>471</sup> <sup>472</sup> <sup>473</sup> <sup>474</sup> <sup>475</sup> <sup>476</sup> <sup>477</sup> <sup>478</sup> <sup>479</sup> <sup>480</sup> <sup>481</sup> <sup>482</sup> <sup>483</sup> <sup>484</sup> <sup>485</sup> <sup>486</sup> <sup>487</sup> <sup>488</sup> <sup>489</sup> <sup>490</sup> <sup>491</sup> <sup>492</sup> <sup>493</sup> <sup>494</sup> <sup>495</sup> <sup>496</sup> <sup>497</sup> <sup>498</sup> <sup>499</sup> <sup>500</sup> <sup>501</sup> <sup>502</sup> <sup>503</sup> <sup>504</sup> <sup>505</sup> <sup>506</sup> <sup>507</sup> <sup>508</sup> <sup>509</sup> <sup>510</sup> <sup>511</sup> <sup>512</sup> <sup>513</sup> <sup>514</sup> <sup>515</sup> <sup>516</sup> <sup>517</sup> <sup>518</sup> <sup>519</sup> <sup>520</sup> <sup>521</sup> <sup>522</sup> <sup>523</sup> <sup>524</sup> <sup>525</sup> <sup>526</sup> <sup>527</sup> <sup>528</sup> <sup>529</sup> <sup>530</sup> <sup>531</sup> <sup>532</sup> <sup>533</sup> <sup>534</sup> <sup>535</sup> <sup>536</sup> <sup>537</sup> <sup>538</sup> <sup>539</sup> <sup>540</sup> <sup>541</sup> <sup>542</sup> <sup>543</sup> <sup>544</sup> <sup>545</sup> <sup>546</sup> <sup>547</sup> <sup>548</sup> <sup>549</sup> <sup>550</sup> <sup>551</sup> <sup>552</sup> <sup>553</sup> <sup>554</sup> <sup>555</sup> <sup>556</sup> <sup>557</sup> <sup>558</sup> <sup>559</sup> <sup>560</sup> <sup>561</sup> <sup>562</sup> <sup>563</sup> <sup>564</sup> <sup>565</sup> <sup>566</sup> <sup>567</sup> <sup>568</sup> <sup>569</sup> <sup>570</sup> <sup>571</sup> <sup>572</sup> <sup>573</sup> <sup>574</sup> <sup>575</sup> <sup>576</sup> <sup>577</sup> <sup>578</sup> <sup>579</sup> <sup>580</sup> <sup>581</sup> <sup>582</sup> <sup>583</sup> <sup>584</sup> <sup>585</sup> <sup>586</sup> <sup>587</sup> <sup>588</sup> <sup>589</sup> <sup>590</sup> <sup>591</sup> <sup>592</sup> <sup>593</sup> <sup>594</sup> <sup>595</sup> <sup>596</sup> <sup>597</sup> <sup>598</sup> <sup>599</sup> <sup>600</sup> <sup>601</sup> <sup>602</sup> <sup>603</sup> <sup>604</sup> <sup>605</sup> <sup>606</sup> <sup>607</sup> <sup>608</sup> <sup>609</sup> <sup>610</sup> <sup>611</sup> <sup>612</sup> <sup>613</sup> <sup>614</sup> <sup>615</sup> <sup>616</sup> <sup>617</sup> <sup>618</sup> <sup>619</sup> <sup>620</sup> <sup>621</sup> <sup>622</sup> <sup>623</sup> <sup>624</sup> <sup>625</sup> <sup>626</sup> <sup>627</sup> <sup>628</sup> <sup>629</sup> <sup>630</sup> <sup>631</sup> <sup>632</sup> <sup>633</sup> <sup>634</sup> <sup>635</sup> <sup>636</sup> <sup>637</sup> <sup>638</sup> <sup>639</sup> <sup>640</sup> <sup>641</sup> <sup>642</sup> <sup>643</sup> <sup>644</sup> <sup>645</sup> <sup>646</sup> <sup>647</sup> <sup>648</sup> <sup>649</sup> <sup>650</sup> <sup>651</sup> <sup>652</sup> <sup>653</sup> <sup>654</sup> <sup>655</sup> <sup>656</sup> <sup>657</sup> <sup>658</sup> <sup>659</sup> <sup>660</sup> <sup>661</sup> <sup>662</sup> <sup>663</sup> <sup>664</sup> <sup>665</sup> <sup>666</sup> <sup>667</sup> <sup>668</sup> <sup>669</sup> <sup>670</sup> <sup>671</sup> <sup>672</sup> <sup>673</sup> <sup>674</sup> <sup>675</sup> <sup>676</sup> <sup>677</sup> <sup>678</sup> <sup>679</sup> <sup>680</sup> <sup>681</sup> <sup>682</sup> <sup>683</sup> <sup>684</sup> <sup>685</sup> <sup>686</sup> <sup>687</sup> <sup>688</sup> <sup>689</sup> <sup>690</sup> <sup>691</sup> <sup>692</sup> <sup>693</sup> <sup>694</sup> <sup>695</sup> <sup>696</sup> <sup>697</sup> <sup>698</sup> <sup>699</sup> <sup>700</sup> <sup>701</sup> <sup>702</sup> <sup>703</sup> <sup>704</sup> <sup>705</sup> <sup>706</sup> <sup>707</sup> <sup>708</sup> <sup>709</sup> <sup>710</sup> <sup>711</sup> <sup>712</sup> <sup>713</sup> <sup>714</sup> <sup>715</sup> <sup>716</sup> <sup>717</sup> <sup>718</sup> <sup>719</sup> <sup>720</sup> <sup>721</sup> <sup>722</sup> <sup>723</sup> <sup>724</sup> <sup>725</sup> <sup>726</sup> <sup>727</sup> <sup>728</sup> <sup>729</sup> <sup>730</sup> <sup>731</sup> <sup>732</sup> <sup>733</sup> <sup>734</sup> <sup>735</sup> <sup>736</sup> <sup>737</sup> <sup>738</sup> <sup>739</sup> <sup>740</sup> <sup>741</sup> <sup>742</sup> <sup>743</sup> <sup>744</sup> <sup>745</sup> <sup>746</sup> <sup>747</sup> <sup>748</sup> <sup>749</sup> <sup>750</sup> <sup>751</sup> <sup>752</sup> <sup>753</sup> <sup>754</sup> <sup>755</sup> <sup>756</sup> <sup>757</sup> <sup>758</sup> <sup>759</sup> <sup>760</sup> <sup>761</sup> <sup>762</sup> <sup>763</sup> <sup>764</sup> <sup>765</sup> <sup>766</sup> <sup>767</sup> <sup>768</sup> <sup>769</sup> <sup>770</sup> <sup>771</sup> <sup>772</sup> <sup>773</sup> <sup>774</sup> <sup>775</sup> <sup>776</sup> <sup>777</sup> <sup>778</sup> <sup>779</sup> <sup>780</sup> <sup>781</sup> <sup>782</sup> <sup>783</sup> <sup>784</sup> <sup>785</sup> <sup>786</sup> <sup>787</sup> <sup>788</sup> <sup>789</sup> <sup>790</sup> <sup>791</sup> <sup>792</sup> <sup>793</sup> <sup>794</sup> <sup>795</sup> <sup>796</sup> <sup>797</sup> <sup>798</sup> <sup>799</sup> <sup>800</sup> <sup>801</sup> <sup>802</sup> <sup>803</sup> <sup>804</sup> <sup>805</sup> <sup>806</sup> <sup>807</sup> <sup>808</sup> <sup>809</sup> <sup>810</sup> <sup>811</sup> <sup>812</sup> <sup>813</sup> <sup>814</sup> <sup>815</sup> <sup>816</sup> <sup>817</sup> <sup>818</sup> <sup>819</sup> <sup>820</sup> <sup>821</sup> <sup>822</sup> <sup>823</sup> <sup>824</sup> <sup>825</sup> <sup>826</sup> <sup>827</sup> <sup>828</sup> <sup>829</sup> <sup>830</sup> <sup>831</sup> <sup>832</sup> <sup>833</sup> <sup>834</sup> <sup>835</sup> <sup>836</sup> <sup>837</sup> <sup>838</sup> <sup>839</sup> <sup>840</sup> <sup>841</sup> <sup>842</sup> <sup>843</sup> <sup>844</sup> <sup>845</sup> <sup>846</sup> <sup>847</sup> <sup>848</sup> <sup>849</sup> <sup>850</sup> <sup>851</sup> <sup>852</sup> <sup>853</sup> <sup>854</sup> <sup>855</sup> <sup>856</sup> <sup>857</sup> <sup>858</sup> <sup>859</sup> <sup>860</sup> <sup>861</sup> <sup>862</sup> <sup>863</sup> <sup>864</sup> <sup>865</sup> <sup>866</sup> <sup>867</sup> <sup>868</sup> <sup>869</sup> <sup>870</sup> <sup>871</sup> <sup>872</sup> <sup>873</sup> <sup>874</sup> <sup>875</sup> <sup>876</sup> <sup>877</sup> <sup>878</sup> <sup>879</sup> <sup>880</sup> <sup>881</sup> <sup>882</sup> <sup>883</sup> <sup>884</sup> <sup>885</sup> <sup>886</sup> <sup>887</sup> <sup>888</sup> <sup>889</sup> <sup>890</sup> <sup>891</sup> <sup>892</sup> <sup>893</sup> <sup>894</sup> <sup>895</sup> <sup>896</sup> <sup>897</sup> <sup>898</sup> <sup>899</sup> <sup>900</sup> <sup>901</sup> <sup>902</sup> <sup>903</sup> <sup>904</sup> <sup>905</sup> <sup>906</sup> <sup>907</sup> <sup>908</sup> <sup>909</sup> <sup>910</sup> <sup>911</sup> <sup>912</sup> <sup>913</sup> <sup>914</sup> <sup>915</sup> <sup>916</sup> <sup>917</sup> <sup>918</sup> <sup>919</sup> <sup>920</sup> <sup>921</sup> <sup>922</sup> <sup>923</sup> <sup>924</sup> <sup>925</sup> <sup>926</sup> <sup>927</sup> <sup>928</sup> <sup>929</sup> <sup>930</sup> <sup>931</sup> <sup>932</sup> <sup>933</sup> <sup>934</sup> <sup>935</sup> <sup>936</sup> <sup>937</sup> <sup>938</sup> <sup>939</sup> <sup>940</sup> <sup>941</sup> <sup>942</sup> <sup>943</sup> <sup>944</sup> <sup>945</sup> <sup>946</sup> <sup>947</sup> <sup>948</sup> <sup>949</sup> <sup>950</sup> <sup>951</sup> <sup>952</sup> <sup>953</sup> <sup>954</sup> <sup>955</sup> <sup>956</sup> <sup>957</sup> <sup>958</sup> <sup>959</sup> <sup>960</sup> <sup>961</sup> <sup>962</sup> <sup>963</sup> <sup>964</sup> <sup>965</sup> <sup>966</sup> <sup>967</sup> <sup>968</sup> <sup>969</sup> <sup>970</sup> <sup>971</sup> <sup>972</sup> <sup>973</sup> <sup>974</sup> <sup>975</sup> <sup>976</sup> <sup>977</sup> <sup>978</sup> <sup>979</sup> <sup>980</sup> <sup>981</sup> <sup>982</sup> <sup>983</sup> <sup>984</sup> <sup>985</sup> <sup>986</sup> <sup>987</sup> <sup>988</sup> <sup>989</sup> <sup>990</sup> <sup>991</sup> <sup>992</sup> <sup>993</sup> <sup>994</sup> <sup>995</sup> <sup>996</sup> <sup>997</sup> <sup>998</sup> <sup>999</sup> <sup>1000</sup> <sup>1001</sup> <sup>1002</sup> <sup>1003</sup> <sup>1004</sup> <sup>1005</sup> <sup>1006</sup> <sup>1007</sup> <sup>1008</sup> <sup>1009</sup> <sup>1010</sup> <sup>1011</sup> <sup>1012</sup> <sup>1013</sup> <sup>1014</sup> <sup>1015</sup> <sup>1016</sup> <sup>1017</sup> <sup>1018</sup> <sup>1019</sup> <sup>1020</sup> <sup>1021</sup> <sup>1022</sup> <sup>1023</sup> <sup>1024</sup> <sup>1025</sup> <sup>1026</sup> <sup>1027</sup> <sup>1028</sup> <sup>1029</sup> <sup>1030</sup> <sup>1031</sup> <sup>1032</sup> <sup>1033</sup> <sup>1034</sup> <sup>1035</sup> <sup>1036</sup> <sup>1037</sup> <sup>1038</sup> <sup>1039</sup> <sup>1040</sup> <sup>1041</sup> <sup>1042</sup> <sup>1043</sup> <sup>1044</sup> <sup>1045</sup> <sup>1046</sup> <sup>1047</sup> <sup>1048</sup> <sup>1049</sup> <sup>1050</sup> <sup>1051</sup> <sup>1052</sup> <sup>1053</sup> <sup>1054</sup> <sup>1055</sup> <sup>1056</sup> 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<sup>1119</sup> <sup>1120</sup> <sup>1121</sup> <sup>1122</sup> <sup>1123</sup> <sup>1124</sup> <sup>1125</sup> <sup>1126</sup> <sup>1127</sup> <sup>1128</sup> <sup>1129</sup> <sup>1130</sup> <sup>1131</sup> <sup>1132</sup> <sup>1133</sup> <sup>1134</sup> <sup>1135</sup> <sup>1136</sup> <sup>1137</sup> <sup>1138</sup> <sup>1139</sup> <sup>1140</sup> <sup>1141</sup> <sup>1142</sup> <sup>1143</sup> <sup>1144</sup> <sup>1145</sup> <sup>1146</sup> <sup>1147</sup> <sup>1148</sup> <sup>1149</sup> <sup>1150</sup> <sup>1151</sup> <sup>1152</sup> <sup>1153</sup> <sup>1154</sup> <sup>1155</sup> <sup>1156</sup> <sup>1157</sup> <sup>1158</sup> <sup>1159</sup> <sup>1160</sup> <sup>1161</sup> <sup>1162</sup> <sup>1163</sup> <sup>1164</sup> <sup>1165</sup> <sup>1166</sup> <sup>1167</sup> <sup>1168</sup> <sup>1169</sup> <sup>1170</sup> <sup>1171</sup> <sup>1172</sup> <sup>1173</sup> <sup>1174</sup> <sup>1175</sup> <sup>1176</sup> <sup>1177</sup> <sup>1178</sup> <sup>1179</sup> <sup>1180</sup> 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Abdominal Pains. if it is given in this <sup>c</sup>  
Can evacuations sh<sup>d</sup> be promised to  
resolve these congestions & to carry off  
Bile. - all these 3 Cases <sup>in</sup> are forbid<sup>d</sup>  
use of Bark occur chiefly in cold  
& northern climates. the Intermittents  
in such countries are less dangerous  
if we may better suspend the use of the  
Bark. But in hot climates where the  
Sedative powers so much prevail the  
Bark must be sooner exhibited even  
where little or no Remissions appear.  
See Dr Cleghorn upon this practice.  
in very putrid & sedative Intermittents  
we may give the Bark when the





or no Intermision appears at all.  $\zeta$   
great want of Tone in the Arteries con-  
-ders this Practice indispensably necessary.

How is the Bark to be administered?

- a small Quantity of it is not sufficient  
to check Intermittents or to restore the  
Tone of the Arteries.  $\zeta_{vi}$  or  $\zeta_{ij}$  is always  
absolutely necessary, in some Cases more. This  
Quantity must be given at a particular  
time or it will not produce its Effects. the  
nearer to the time of the Paroxysm we  
give it the more efficacious it proves.  $\zeta_{ij}$  given  
just before the Fit does more Service than  
 $\zeta_{ij}$  given thro the Course of 24 hours without  
any Regard to the time of the Fit's coming on.



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*[Faint, illegible handwriting on the right page of an open manuscript, visible at the edge.]*

The Effects of the Bark are not durable.  
- a Quantity sufficient to obviate one ~~Fitt~~  
will not always cure an Intermittent  
entirely. We may say the same of all Medi-  
cines as well as the Bark. the Effects of  
few of them are durable <sup>in</sup> which makes it  
so very necessary to give neutral salts &  
all the Fever Medicines just before the  
Approach of the Exacerbation of Fevers.  
- Some Doses of Bark therefore are  
necessary to prevent the Recurrence of  
Intermittents. When one Paroxysm is  
broke we must still give the Bark just  
before the usual time of the Fitts coming



Handwritten text, mostly illegible due to fading and bleed-through from the reverse side. The text appears to be organized into several paragraphs or sections, with some lines being more distinct than others. The ink is dark but very faded, and the paper is aged and discolored.

Handwritten text on the right margin, partially visible. It includes words such as "day", "ways", "known", "the", "P", "ception", "each", "had", "of", "the", "as".

on. After this we may intermit a day, then give a few Doses & intermit two Days, & so continue to a 4<sup>th</sup> Day; Intermission. perhaps this will not be sufficient in marshy Countries where the Cause still continues.

If the Bark purges it does no good. The Purgings takes off the Force of the Sympom as fast as the Bark restores it. - Opium therefore must be joined with Bark when it proves purging. This leads me to speak of the use of Opium in Intermittents. It was much used among the Ancients. a late writer in France has revived its use. ~~It is~~ to



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Does it act by Obviating the Spasm  
<sup>ch</sup>  
 w: occurs in each paroxysm? I cannot  
 admit this. It appears to act by Obviating  
 the Atonia on <sup>ch</sup> w: the Spasm depends. in  
 w: manner I cannot tell, for it seems  
 to act as a Sedative as well as a Stimulus.  
 may it not take off the Irritation  
 of the Intestines & prevent the Accumu-  
 lation of the Nervous Fluid in such a  
 manner as to produce a such degree  
 of Density in it as to promote & recover  
 the Tone of the System? - This is but a  
 Conjecture & is foreign to our present sub-  
 ject.



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we come to treat of the 2<sup>nd</sup> Order of  
the Pyrexia viz: the Phlegmania

I shall 1<sup>st</sup> consider its nature  
& show its distinction from <sup>2<sup>d</sup></sup> Febris  
2<sup>nd</sup> treat of its Theory & afterwards  
3<sup>rd</sup> speak of its Cure as applicable to Genera  
& Species.

Phlegmania is distinguished from Fever by  
topical or primary Affection. they  
are distinguished from Profluvia by no  
Evacuation & from <sup>2<sup>d</sup></sup> Exanthemata  
by no Eruption, but of this we shall <sup>say</sup> more  
hereafter.

When this topical Affection takes  
place we perceive Heat - Redness  
Tumor & pain in the part. When





it is internal these marks are not  
 evident. the Character of interior <sup>is</sup> Phlegmasia  
primario cum dolore totius, pulsa duro & fana-  
guinis emissa Crusta cornea. This ap-  
 plies to all Cases of Phlegmasia in general.

The Theory of Phlegmasia is very dif-  
 ficult. in every Phlegmasia we perceive  
 an increased Action of the Arteries of the  
 part inflamed some times <sup>two</sup> of the Head  
 & Cutaneous System in general. in this  
 it agrees w: the Febris. but it is bro't  
 on differently & differs in its Symptoms.  
 1<sup>o</sup> in being confined to one spot only  
 2<sup>nd</sup> It is induced by external stimuli which  
 act chiefly on the part to w: they are





applied. But Inflamm<sup>n</sup> is not always  
 bro't on by stimuli externally applied.  
 Simple Congestion will bring <sup>it</sup> on. the  
Rheumatism depends on previous Congestion.  
 - these Congestions excite the Reaction  
 of the sensorium & thus bring on the  
 Phenomena of Pyrexia. The Angina  
 in like manner depends upon Con-  
 gestion bro't on by cold stricturng the  
 vessels. In all Cases of Inflammation  
 then I presume Congestion to be present  
<sup>wh</sup> w: produces a Molestia <sup>wh</sup> w: <sup>e</sup> sensorium  
 exerts itself to remove. This Action  
 of the sensorium is attended <sup>th</sup> w: a cold  
 Fit & the Formation of Pus. It is



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in Consequence only of this that the  
increased Impetus of the Blood and  
Action of the Heart is formed. <sup>in this</sup> ~~the~~ for  
Phlegmaria & Febres agree, but they  
differ in the Phlegm. being accom-  
panied w: a Phlogistic Diathesis depend-  
ing upon an increased Force of  
the Arteries. This we prove from 2<sup>d</sup>  
Causes inducing it w: are Stimuli &  
Cold. These we know increase the Force  
of Muscular Fibres. The hard Pulse  
~~there~~ likewise shows an increased  
Tension of the Arteries & is depend-  
ent on no other Cause. the Phenomena



This image shows a blank, aged, cream-colored page from a book. The paper has a slightly textured appearance with some minor discoloration and faint, illegible handwriting visible on the right edge, likely from the adjacent page. The page is framed by dark borders on the left and right sides.

of the Blood show this to be Case. the  
Fusion of the Coagulable Lymph al-  
ways attends Inflammation & is some-  
times produced by the Phlogistic Diathe-  
sis. These Circumstances chiefly distin-  
guish Phlegmasia from Febris. the Spasm  
in the Phlegmasia is more permanent  
than in the Febris. It is surprising that  
Nature sh<sup>d</sup> suffer the Spasm to con-  
tinue too long when y<sup>e</sup> only Design she  
has in view in it is to excite a hot  
Fitt to remove the Congestion or Phlog-  
osis. But the Operations of Nature are  
not always proportioned to y<sup>e</sup> End she  
has in view. Phlegmasia then





# Phlegmasia

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is attended w: <sup>the</sup> topical phlog Venerea.  
red Impetus. this produces increased  
Heat - Tension - Tumor - & Pain. Where  
is the Pain seated? we often see it in  
parts which have little <sup>or no</sup> Sensibility  
during Health. many solutions of this  
Phenomenon have been offered. all the  
Fibres of the Body are originally com-  
posed of nervous Fibres <sup>or</sup> w: are surround-  
ed w: cellular Membrane. This is  
the case w: the Tendons. in this case they  
are incapable of ~~low~~ Excitement ~~by~~  
but by an increased Degree of Heat  
& Tension they acquire Excitement &  
Sensibility. Another solution appears



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equally probable. the Arteries may  
all have nervous <sup>in</sup> Fibres w. during  
Health have little sensibility when int.  
thro. we have some late Experi-  
ments <sup>in</sup> w. show us y<sup>t</sup> the Arteries are  
composed of muscular Fibres & con-  
sequently of Irritability & sensibility.  
- by increased Heat then & Tension we  
can easily account for y<sup>e</sup> Pain. this is  
the most satisfying Ac<sup>t</sup> of the Cause of  
the Pain. the Pulse becomes full in  
proportion as Inspiration advances <sup>in</sup> w:  
depends upon Effusions. before this takes  
place y<sup>e</sup> Pulse is generally Hard & is  
known by w. is called the Silk in it.



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How do Stimuli produce Inflammation?  
 - by acting directly or by producing  
 Spasm, ? or by both? <sup>1<sup>st</sup></sup> ~~and~~ bringing  
 on Congestion & then 2<sup>nd</sup> Spasm? I think  
 the last supposition most probable.

- This is the general Theory of Inflam:  
 mation. It is I grant attended w<sup>th</sup> <sup>the</sup> Difficulties

but it is more probable than D<sup>r</sup>. Boerhaave  
& Bellini's who supposed that it depended  
~~upon~~ upon Lentor; Obstructing the  
 small vessels. But we have no proofs  
 of this Lentor, nor are the Causes &  
 Effects of it any ways proportioned to  
 each - <sup>other,</sup> the Coagulable Lymph which  
 was supposed to be Lentor is a



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Natural part of the Blood, & is the  
Effect not the Cause of Inflamm<sup>n</sup>.

- nor could such a Cause if it existed  
produce Inflamm<sup>n</sup>. The Arteries are  
capable of such Distention as to pour  
out red Blood without any Appearance  
of Inflammat<sup>n</sup>. nor can y<sup>e</sup> Mor Loui  
produce it as this is Obviated by the  
Anastomosing of the Vessels. see this Doc.  
time more fully overthrown by D. Haller  
& M<sup>r</sup>. Sauvage who have proved that  
Obstruction of hollow Vessels does not  
produce increased Impetus. the Obstruc-  
tion from Phlegm is part of y<sup>e</sup> Consequence  
of Inflamm<sup>n</sup>: It is seated in y<sup>e</sup> Solids not



3. 11. 1791

I have been thinking of you  
very much lately and wondering  
how you are getting on. I hope  
you are well and happy. I have  
been very busy lately but I  
shall try to write to you more  
often. I have been thinking of  
you very much lately and wondering  
how you are getting on. I hope  
you are well and happy. I have  
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in the Lungs where Bellini placed it.

- The chief Effect of increased Impetus  
is to produce Effusions in different parts.  
- This is well known to every One who  
has seen externally & internally after In-  
flammation has continued for some  
time. the vessels internally are always  
pouring forth a Halitus. if a part is  
inflamed in the cellular Texture this  
Halitus is poured out in <sup>an</sup> increased  
Quantity. This is moved from  $\frac{2}{3}$  Produc-  
tion of Pus. Dr. Pringle & Dr. Gaber have  
made Pus from  $\frac{2}{3}$  Serum of the Blood.  
Pus then is derived from serum effused  
into the cellular Membrane. the ordinary



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Halitus is incapable of being converted  
 into Pus. This we prove from <sup>the</sup> Fluid  
 in Dropsies not being changed into  
 purulent matter. There may <sup>be</sup> Effusi-  
 ons in like manner in Inflamm<sup>or</sup>.  
 in w<sup>ch</sup> no Pus is formed. the Halitus  
 is Absorbed & the Vessels return again  
 to their usual state. The Formation  
 of Pus is connected w<sup>th</sup> a certain Degree  
 of Inflammation

We prove Effusions to take place  
 from <sup>the</sup> Structure of the Arteries w<sup>ch</sup>  
 terminate in exhaling Vessels.  
 from the size of Tumors.  
 from the Colour of the Matter contained



18th August 1848

My dear Mr. [illegible]  
I have just received your letter of the 12th inst.  
and am glad to hear that you are well.  
I am writing you a few lines to let you know  
that I am still in the same way.  
I am, my dear friend, very truly,  
Your obedient servant,  
[illegible]  
P.S. I have just received your letter of the 12th inst.  
and am glad to hear that you are well.  
I am writing you a few lines to let you know  
that I am still in the same way.  
I am, my dear friend, very truly,  
Your obedient servant,  
[illegible]

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in them. This is most evident in <sup>the</sup> small pox and in all Eruptions where the Matter is contained in <sup>the</sup> Cuticle.

4.<sup>th</sup> from the Issudations of effused Matter on the Surface of internal ~~of~~ viscera when inflamed. but <sup>the</sup> most convincing proof of Effusions is <sup>from</sup> <sup>the</sup> Formation of Pus which is formed from a particular part of the Blood. Pus can never exist without Effusions. Dr. Keen imagines it may, & supposes that it may be poured out already formed from <sup>the</sup> Vessels.

The Event of Inflamm<sup>n</sup> depends upon <sup>the</sup> nature of <sup>the</sup> Fluid effused & <sup>the</sup> Changes



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Let us first enquire into  $\gamma$  <sup>Q</sup> vent  
of Inflammation. I shall here  
mention Gabers Experiments.

<sup>1</sup> He found Serum could be converted  
into Pus out of  $\gamma$  <sup>2</sup> body. only  $\frac{1}{3}$   
of the Serum <sup>however</sup> was converted into  
Pus <sup>th</sup> fell to  $\gamma$  <sup>2</sup> bottom of his vessel  
& left a transpar: Liqueur above.

He found  $\gamma$ : it was Coagulable Lymph  
chiefly <sup>th</sup> was changed into Pus, from  
<sup>th</sup>  $\gamma$ : I conclude that ~~th~~ <sup>Serum</sup> will be  
more or less disposed to  $\gamma$  <sup>2</sup> purulent  
Fermentation in proportion to the









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## Phlegmasia

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disposed to be converted into Pus<sup>th</sup> w:  
he attributed to a peculiar Dyscrasia of  
the blood at different times & in different  
Persons. from  $\frac{2}{3}$  Mixture of bile  
oil &c with serum he found the pu:  
erulent Fermentation much diversified  
but he dont tell us in w: Manner.  
3<sup>d</sup> He found the whole Mass of blood  
when digested together never formed  
Pus, but became immediately putrid.  
4<sup>th</sup> He found  $\frac{2}{3}$  Purulent Fermentation  
produced no great Change upon  $\frac{2}{3}$  Lymph  
- it produced a slight Fator only, but  
it never changed its Qualities w: Regard  
to its Relation to Luids. its coagulated by



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them, but never if ferried <sup>th</sup> w: them.  
- But still he supposes y<sup>e</sup> purulent  
Tumescat: is a Tendency towards the  
putrid & may be induced by a great  
ter Degree of Heat or by more Length of  
time inasmuch that it will give a vol:  
- Catarrh & lose its coagulable Qua-  
lities. It were ~~to~~ <sup>had</sup> be wished that he tried  
whether putrid Serum would in like  
Manner have carried on y<sup>e</sup> purulent  
to the putrid Tumentation. Such  
putrid Serums are introduced into the  
Body, as in the Plague and in many  
kind of Ulcers such as Venerical-Cancers  
&c. But the State of the Blood being





given, the Effusions will be varied by  
 of Tension or Laxity of the vessels or  
 by the Ratio they bear to <sup>R</sup>Impetus  
 of the Blood. we cannot speak <sup>th</sup>with Certainty  
 here as we are so ignorant of <sup>e</sup>the nature  
 of Fermentation. One Effect we can point  
 out. a great Degree of Laxity produces  
 peculiar Effects of <sup>th</sup>w: we shall say more here-  
 after. Fermentation begins <sup>th</sup>w: <sup>e</sup>by Extrica-  
 tion of Air from a fixed to an elastic  
 State. the more the Fluid to be ferment-  
 ed is compressed the slower <sup>e</sup>the Ferment-  
 ation goes on. Saber found <sup>e</sup>by Turbulent  
 Fermentation attended <sup>th</sup>w: <sup>e</sup>by Generation of  
 Air. But upon covering some Ferment



(a) the state of  $\frac{1}{2}$  blood and the  
susceptibility being given the Formation of  
Pus will be varied by the Degree of  
Heat, & by the nature of  $\frac{2}{2}$  Ferment  
acting upon the effused Fluids.





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it only diffused, it will be changed into Pus. the thinner parts are generally absorbed while the Pus is forming. the Halitus may influence the Formation of Pus considerably either in quickening it, or mediating its Qualities. the Absorbents sometimes cease to act from an Atrophia. they are irritable and contractile vessels in a healthy State. a Loss of this Tone stops Absorption, & thus conduces towards the Formation of Pus. these are the chief Circumstances <sup>or</sup> determine the nature of Effluvia.

I shall now speak of <sup>the</sup> Phenomena <sup>or</sup> take place in Inflammation.



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- In moderate Empetis there is no Effusion but Kalitus containing little or no Lymph. this Fluid is easily absorbed and the Inflamm<sup>n</sup> is resolved. This is one of the Terminations of Inflammation.

- The greater or lesser Degree of Tension or Laxity likewise conduces to vary the Absorption of this Kalitus. The Cellular Texture is of different Degrees of Firmness or Laxity and from this is more or less easily dilated. The more lax the vessels, the more frequent the Effusions - hence y<sup>e</sup> Reason why Suppurations happen chiefly in cellular Membrane of a loose soft Texture.



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Dr. Keilhorn found in  $\frac{1}{2}$  bodies  $\frac{1}{2}$  he dissected that died of Typhus  $\frac{1}{2}$  Omentum & Adipose parts generally filled w: purulent Matter while in more solid parts he found no Appearance of Pus. all Observations concur in fixing Abscesses in Adipose Membranes, hence we find them most frequently under the Skin.

- Inflamm<sup>n</sup> in the Tendons never ends in Suppuration. the Reason of this is owing to their Fibres not being connected with loose cellular Texture. Inflamm<sup>n</sup> is mostly seated in common Membrane such as the Joints - Pleura - Meninges of the Brain & the Parenchymatous Inflamm.



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inflammations are of a different nature from these as we shall say hereafter. The extent of Inflammation in these thin Membranes is greatly varied by their Contiguity to lax parts. The Meninges of the Brain never terminate in Suppuration except when an Inflammation in it arises from a wound or Contusion. The Pleura & Peritoneum often end in Suppuration from the vicinity of the 1<sup>st</sup> w: the Lung & the 2<sup>nd</sup> w: the Bowels.

Suppuration occurs in cases where the vessels are wounded w: is owing to increased Impetus & laxity both



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being induced. 2<sup>nd</sup> Suppuration takes place in sound vessels when  $\frac{c}{y}$  Impetus is strong eno to pour out suppurating Matter. 3<sup>rd</sup> It occurs when  $\frac{c}{y}$  exhalents open into lax parts. 4<sup>th</sup> It occurs when nothing but Serum is poured out, if red Globules are poured out no Suppuration can be formed. 5<sup>th</sup> an increased Degree of Heat is necessary for Suppuration. 6<sup>th</sup> Absorption is necessary for Suppuration, to carry off the pure Serum <sup>in</sup>: retards the Formation of Pus from the Lymph. all these Circumstances are capable of great



Monday 17th

The weather was very fine and  
the wind was light and variable.  
We went for a walk in the  
park and saw many beautiful  
flowers. The children were  
very happy and played for  
hours. We also saw many  
birds and insects. The  
day was very pleasant and  
we all enjoyed it very much.  
We went home at 5 o'clock  
and had a very good dinner.  
The children were very tired  
but they were all happy and  
slept very well. The day  
was a very successful one and  
we all enjoyed it very much.  
We went to bed at 10 o'clock  
and had a very good night's  
sleep. The day was a very  
pleasant one and we all  
enjoyed it very much.

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## Plegmasia

variation, & on this may depend the different nature of Fluids found in Tumors & Abscesses. ~~But~~ I leave this subject to be prosecuted more fully by yourselves. —

Q<sup>u</sup> is does Sanguis depend?

It will occur 1<sup>st</sup> when  $\frac{e}{c}$  Impetus of the Blood is so great as to pour out putrescent matter. This happens generally when the Blood is dissolved — the red Globules  $\frac{e}{c}$  adhere to  $\frac{e}{c}$  coagulable Lymph ~~when~~ ordinarily in such a manner as to prevent their being effused.

2<sup>nd</sup> when the Force of the Arteries is



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so weakened as to admit of great Effusions. Both these Circumstances often occur together. 3.<sup>rd</sup> When the Laxity of the vessels is <sup>so</sup> very great as to admit of the Exhalation of Air Putrefactions will be greatly increased 4.<sup>th</sup> When the Blood is tainted w: a putrid Ferment 5.<sup>th</sup> When the Absorbents are affected w: an Atonia 6.<sup>th</sup> When a preternatural Degree of Heat takes place in any part. all these Circumstances forward the Putrefaction of our Fluids.

The Atonia of the Arteries joined



17

My dear Sir  
I have the honor to acknowledge  
the receipt of your letter of the  
10th inst. in relation to the  
business of the office of the  
Commissioner of the General  
Land Office. I am sorry to hear  
that you are unable to attend  
to the business of the office  
at present. I am sure that  
you will be able to resume  
your duties as soon as you  
are able to do so. I am,  
Sir, very respectfully,  
Your obedient servant,  
J. M. Smith

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## Phlegmasia

278

4<sup>th</sup>  
w: increased Impetus are sufficient to  
bring on Gangrene without <sup>any</sup> ~~other~~ <sup>any</sup> ~~other~~  
causes whatever. Pain itself without other  
causes is sufficient to induce this Atonia.

Does <sup>e</sup> increased Impetus destroy  
the Texture of the part inflamed? I  
shall not determine this question.

Leucorrhoea is another Termination  
of Inflammation. on w: does it de:  
pend? I shall not say, but leave it  
to your Ingenuity to enquire into. I  
shall speak of some other Termination of  
Inflammation here after.

I shall now treat of the Genera  
& Species of Phlegmasia. they are either



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# Phlymasia

279

External or Internal. I shall distin-  
guish them by the Organs they affect.  
- The External are divided into Phleg-  
mon & Tricrepelas.

Phlegmon is attended w<sup>th</sup> an elevated  
circumscribed ~~to~~ circular Tumor w<sup>ch</sup> is of  
a clear pretty intense Redness w<sup>ch</sup> is per-  
manent & don't disappear by pressure. joined  
to this there is a Tenseness - Swellings &  
Splendor of the skin. - a stinging  
substatory pain. it ends in suppuration  
or Collections of matter w<sup>ch</sup> lie immediately  
under the skin

Tricrepelas is attended w<sup>th</sup> little Tumor



Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is written in dark ink on aged, slightly discolored paper. The handwriting is fluid and characteristic of the period. The text is arranged in several lines, with some words appearing to be underlined or written in a slightly larger hand. The overall appearance is that of a personal letter or a private journal entry.

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# Phlegmon

280

Tumor or elevation of the parts. It is not circumscribed but extends irregularly. the Redness is less bright <sup>the w: it,</sup> has pale spots intermixed & passes off by suppuration for a time. Some suppose Yellowness is mixed <sup>the</sup> w<sup>th</sup> the Redness. I can't say I ever saw it Altho' it may be rare. It has likewise tenderness - is covered <sup>the</sup> w<sup>th</sup> moisture - is attended <sup>the</sup> w<sup>th</sup> little pain or pulsation - is known by Heat & Swelling. It does not end in suppuration but terminates in watery Blisters.

The Phlegmon is seated in the larger vessels under the skin & hence



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It is attended <sup>th</sup>w: all the symptoms we have mentioned. It depends on previous Congestion <sup>th</sup>w: is confined to particular vessels.

The Impetigo is an Affection of tender vessels <sup>th</sup>w: communicate only <sup>th</sup>w: the Mucosa <sup>th</sup>w: is internal between the cellular Texture & the Cuticle. It is produced by acid matters applied externally or by acid matters effused under the Cuticle. From this you will easily understand the Reason of all <sup>e</sup> Symptoms we have mentioned as belonging to it. — But we often see both



17

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both these kinds of Inflamm<sup>n</sup>: com-  
bined in producing the Erysipelas -  
Phlegmonoides. the symptoms here are  
confounded. there are  $\frac{2}{y}$  only Difficulties  
<sup>ch</sup> w: can beset our subject. the Ophthalmia  
cannot be reduced to either of these  
heads. It is a Phlegmon sui generis  
- It approaches nearest to the Phlegmon  
in depending upon Congestion <sup>ch</sup> w: we said  
was characteristic of Phlegmon. the Parotitis  
& Bubo are a genus of Phlegmasia  
different from the common Phlegmon.  
- the Arthritis (by <sup>ch</sup> w: I understand the  
Rheumatism & Gout) differ likewise from the  
Phlegmon in  $\frac{2}{y}$  manner we formerly said.



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## Phlegmasia

283

From what has been said you will see the  
Absurdity of Dr Boerhaave's Doctrine who  
divides Inflamm<sup>n</sup> from the size of the  
vessels it affects. he places Phlegmon  
in the red vessel & Trisipulas in a smaller  
Order of vessels. But we can conceive  
of no such thing. It is impossible for  
one of these vessels to be affected without  
the other, or if they are it will give  
a Difference in the Degree & not the kind  
in Inflammation. He talks too of  
the Oedema Calidum, but I know  
of no such thing. There is w<sup>h</sup> Authors  
call it Oedema Frigidum. but this differs  
widely from Phlegmon.



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From now to internal Inflammations.  
These must be divided into different  
Genera from <sup>e</sup>y nature of <sup>e</sup>y Organs they  
affect. Some divide them from their  
nature into Phlegmon & Erysipelas.  
but no internal Erysipelas can take  
place according to <sup>e</sup>y History we have  
given of it. Effusions may be made into  
<sup>e</sup>y Lamellae of certain membranes but  
these are widely different from <sup>e</sup>y Eruptions  
we see on the Skin. Dr Linnæus talks  
of an Erysipelas of the Lungs, & endeavours  
to prove it by its being cured  
by an Erysipelas breaking out on



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on the skin. But this is a solitary  
fact & we may therefore refuse it upon  
the whole & deny the existence of inter-  
nal Viscipelas except it be in the  
Alimenta? Canal <sup>ch</sup> we know is  
exposed to the action of Acids. It is  
besides covered w<sup>th</sup> a skin or Epidermis  
somewhat analogous to the Cuticle  
<sup>ch</sup> w<sup>ch</sup> is <sup>the</sup> usual seat of Viscipelas.  
But even supposing Viscipelas did  
take place internally we know <sup>of no</sup> Marks  
that w<sup>d</sup> indicate it to us.

If there any Foundation for the  
Membranous & Parenchymatous Division.



The first of these is the  
 fact that the population  
 of the world is increasing  
 at a rapid rate. This is  
 due to a number of factors,  
 including improved medical  
 care, increased food supply,  
 and a general increase in  
 living standards. The result  
 is that the world is becoming  
 more crowded, and this has  
 led to a number of problems,  
 including pollution, over-  
 crowding, and a shortage  
 of natural resources. These  
 problems are all interconnected,  
 and they all have the potential  
 to cause serious damage to  
 the environment and to  
 the health of the human  
 race. It is therefore essential  
 that we take action to  
 address these problems as  
 soon as possible.

of Inflamm<sup>n</sup>? Savvage has introduced  
it. there is a supposition <sup>in</sup> w: points out  
a Distinction between them. but it is  
hard to find it out, or to tell w:  
parts are Membranæ: or Parenchymat

Savvage has run into some error on  
this subject. Further they may both  
take place at once. I know of no  
marks y: distinguish the Phrenitis from  
the Cerebritis one of <sup>in</sup> w: is an affection  
of the membranæ the other of <sup>e</sup> y: paren-  
chym<sup>ous</sup> substance of the brain. I y: <sup>e</sup> return  
Membran: or parenchym: Another  
disagree about it, & no external symp<sup>tom</sup>.



Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is written in dark ink on aged, yellowed paper. The handwriting is fluid and characteristic of the period. The text is arranged in approximately 15 lines across the page. The first line begins with a large, ornate initial, possibly 'S' or 'S'. The text is somewhat faded and difficult to decipher in many places due to the age and the style of the script. There are some ink blots and stains, particularly near the bottom of the page.

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# Phlegmasia

287

are able to tell. But when supposing  
we were capable of distinguish<sup>g</sup> them  
w: and w: it answer<sup>s</sup> for I am apt  
to imagine that the Pancreatic:  
Inflamm<sup>n</sup>: always proceed from  $\frac{e}{y}$ :  
Membranaceous. if it does take place  
alone its symptoms & cure must be  
different from w: we imagine. it  
soon terminates in Abscess without  
any pain, w: Abscess by becoming  
lucid may stimulate the Membran:  
around it, & thus induce Inflamma:  
tion.



1799  
The first of the year was a  
very dry one, and the  
season was very warm.  
The crops were all  
very good, and the  
harvest was very  
early. The weather was  
very warm, and the  
crops were all very  
good. The harvest was  
very early, and the  
weather was very warm.

The first of the year was a  
very dry one, and the  
season was very warm.  
The crops were all  
very good, and the  
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There are two general Cases of Inflammation: One depend<sup>d</sup> on Congestion the Other upon Stimuli. The Inflammations from the 1<sup>st</sup> Cause fall more immediately under our notice, we shall therefore discuss it ~~in~~ <sup>particular</sup> early. The general Indication in Cure of Inflammation<sup>n</sup> is to remove the <sup>causam</sup> ~~causam~~ <sup>we said</sup> ~~causam~~ the Congestion. The Removal of this leads us to a 2<sup>nd</sup> Indication viz: to take off the Inflamm<sup>n</sup>. Diathesis<sup>n</sup> is done by removing all Irritation





& by the Antiphlogistic Regimen in  
general w<sup>ch</sup> you are now acquainted w<sup>th</sup>:

The only Remedy to be shewn off  
is the use of Cold w<sup>ch</sup> sh<sup>d</sup> be applied  
in a moderate degree so as <sup>to</sup> lessen  
the stimulus arising from Heat. how  
far may Cold may be applied? we  
said Cold induced the Inflamm<sup>n</sup>?  
Diathesis. how does it remove it  
in the Small pox? This is a diffi-  
cult Question, & may seem to embarrass  
our System a little. I leave y<sup>e</sup> solution  
of it to your own Ingenuity.

a principal Remedy in the Cure of  
Inflamm<sup>n</sup> is Blood Letting. It



Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is written in dark ink on aged, slightly discolored paper. The handwriting is fluid and characteristic of the period. The text is arranged in approximately 15 lines, with some lines being more prominent than others. There are some small, dark spots or stains on the paper, particularly near the top left corner.

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Operates only by taking off Tension.  
This, the Advantage of a large Dissection  
& of bleeding at Deliqui<sup>m</sup> herein  
sufficiently prove. The Doctrines of  
Derivation & Revulsion are now exploded.  
2d. the Effects of Blood-Letting show  
us that Inflamm<sup>n</sup> depends upon an  
increased Tonic of the Arteries. This  
is reasoning in a circle but is nevertheless  
true as both propositions can  
be proved separately. Now print must  
the Quantity of blood drawn be? It  
is hard to reduce this Question to any  
Principles. we must always



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be influen<sup>d</sup> by the vigour of y<sup>e</sup> System  
the Violence of the Symptoms and  
the nature of the Organ affected  
Lif<sup>e</sup> may be taken away ~~there~~  
in certain Cases w<sup>th</sup> Safety & Advantage.

- When is Bloodletting unsafe? no  
Rule can be established. we have

seen it do good only <sup>a</sup> 9<sup>th</sup> day of Pleura:  
if Blood has been let on the first  
three or four days without Advantage

But <sup>in</sup> all such Cases I suspect Effusi-  
ons of red Blood especially in Periton:  
~~mon: <sup>ch</sup> <sup>re</sup> ~~the blood will be absorbed~~~~

However no Harm can arise from  
Attempting <sup>it</sup> in small Quantities.



101

102

*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*

*[Faint, illegible handwritten text visible on the right edge of the page, likely bleed-through from the adjacent page.]*

Unless we see nature busy in  
performing a cure by a plentiful  
Expectoration or by other means  
when other Organs are affected. if  
this sh<sup>d</sup>. be the Case Blood lett<sup>g</sup> will be  
attended w<sup>th</sup> great Danger. I am no  
Friend to excessive Bleeding.

I have seen two or three Hydropes  
Rectoris arise from it. Blood:-  
letting certainly favours y<sup>e</sup> drawing  
off of red Globules w<sup>ch</sup> always disposes  
to Dropsies.

Topical evacuations are much  
safer & more efficacious than



1871

I have the honor to acknowledge the receipt of your letter of the 11th inst. in relation to the above named matter. I am sorry to hear that you are not satisfied with the result of the investigation. I am, however, unable to do more than to state the facts as they appear to me. I am, Sir, very respectfully,  
 Yours, Sir, very truly,  
 J. M. Smith

1. The first of these is the  
 2. The second is the  
 3. The third is the  
 4. The fourth is the  
 5. The fifth is the  
 6. The sixth is the  
 7. The seventh is the  
 8. The eighth is the  
 9. The ninth is the  
 10. The tenth is the

general bleeding: as it acts im-  
mediately on the seat of inflam<sup>n</sup>.  
& removes the Tension & Phlog of the  
part affected. Cupping Glazes are  
the best as they draw off both a  
sufficient & determined quantity of blood.

The Tension of the part affected:  
may be relieved by Blisters and is  
all the Rubefacientia. Thus in the  
Rheumatism the pain is excessive  
when the Inflam<sup>n</sup> is confined to  $\frac{1}{4}$   
Tendons but when Effusions are  
induced the Tension of  $\frac{1}{4}$  vessels <sup>is</sup>  
where primarily affected is taken



17  
[Faint, illegible handwritten text in cursive script, likely a letter or journal entry. The text is written on aged, yellowed paper with visible binding on the left edge.]

[Faint, illegible handwritten text visible on the right edge of the page, continuing from the adjacent page.]

off. now blisters are very useful  
in promoting their Effusions. Infer<sup>r</sup>  
from this, y<sup>t</sup> blisters act chiefly as  
Topical Evacuants w<sup>ch</sup> sh<sup>d</sup> induce  
us to apply them as near as possi:  
ble to the seat of Inflamm<sup>n</sup>. as well to  
evacuate more as to prevent anythi:  
g<sup>r</sup> Effects from them. Cantharides  
are useful mostly for blisters but other  
uride will answer full as well. Dr  
Stork found a Ranunculus very  
useful in the Rheumatism. I have  
often found Mustard when applied  
pretty strong bring on a blister etc



*[Faint, illegible handwritten text, likely bleed-through from the reverse side.]*

Once. we must diffuse it a good deal to Obviate & lessen its stimulus - it Operates very suddenly & never produces Gangrene.

It is of no Importance to keep a Blister running. The Sooner an Evacuation is made the better. but when Inflamm<sup>n</sup> is confined to one spot we must keep the Discharge Open for some time, as fresh Blisters cannot be applied. The Aroids such as Mustard feed &c th<sup>o</sup> always be preferred to the Cantharids when we want to ~~keep~~ <sup>time</sup> keep a Blister running for some <sup>time</sup>, as they are less apt to



My dear friend

I have just received your letter of the 10th inst. and am  
glad to hear from you. I am well and hope these few lines  
will find you the same. I have not much news to write at  
present. I am still in the same place and doing the same  
work. I have not much time to spare for writing at present.  
I have just received your letter of the 10th inst. and am  
glad to hear from you. I am well and hope these few lines  
will find you the same. I have not much news to write at  
present. I am still in the same place and doing the same  
work. I have not much time to spare for writing at present.

heal soon.

Warm bathing has been found  
very useful in taking off Inflamm<sup>n</sup>.

- It acts chiefly on the Cuticle upon  
the numerous <sup>extremities</sup> of  $\frac{2}{y}$  nerves  
<sup>wh</sup> terminate under it, & by this  
means takes off the Tension from the  
whole System. But is not  $\frac{2}{y}$  Heat  
hurtful by irritating the system &  
thus increasing the inflamm<sup>n</sup> Diathesis?

Dr. Wintringham found it hurtful in  
the Rheumatism. It never sh<sup>d</sup> be  
used till Bleeding has been premised  
or 'till late in the Disease. I have  
seen it do Harm in Phlegmons.



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*

*[Partial view of handwritten text from the adjacent page on the right.]*

It is common to impregnate Bath<sup>s</sup>  
w<sup>th</sup> Medicinal Huls. But I doubt  
whether they communicate any virtue  
to the water. They are generally Acid  
Aromatic Matter, & if they have  
any virtue it is of the Antispasmodic  
kind, but they are never applied  
in large eno Quantities to do any  
service. the warm Water alone does  
all the service we could wish for.

Are there any Antispasmodic  
Applications? Camphor has been  
considered as One. It is a powerful  
Sedative. ~~As~~ its Effluvia may penetrate  
very deep, but notwithstanding I never



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*

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saw any Antispasmodic Effects from  
it in the Inflam<sup>n</sup>: Spasm. In the  
Rheumatism it gives ease as a  
Sedative & not as an Antispasmodic.

- the hol.  $\frac{1}{2}$  w<sup>th</sup> Oil does ~~all~~ every  
thing we could wish for from Camph<sup>r</sup>.

Is Opium useful in Inflamma-  
tions? It brings on an Atonia<sup>n</sup> w<sup>ch</sup> lays  
the Foundation for Gangrene w<sup>ch</sup> makes  
it a doubtful Medicine before it  
brings on  $\frac{2}{2}$  Atonia it acts as a tonic  
& aggravates all the Symptoms. It  
changes Acute into Chronic Rheu-  
matism. -



13

My dear friend

I have just received your letter of the 10th inst. and am glad to hear from you. I am well and hope these few lines will find you the same. I have been thinking much of late about the future and the many changes that are coming upon the world. I feel that we must be prepared for whatever may come and that we must stand firm in our principles and our faith. I am sure that if we do this, we shall be able to overcome all our difficulties and to build up a better world for ourselves and for our children.

I am, my dear friend, very truly yours,

John Smith

Refrigerant & Astringent  
Medicines have been employed ex-  
ternally <sup>th</sup> w: a good deal of success. The  
Sachar<sup>m</sup> Saturnii has been much  
used for this purpose. the too free  
use of them may favour Gangrene  
- they sh: be used therefore very  
cautiously

### Internal Medicines.

- These are Diluents & explain the  
Operation of these before. When given  
warm they are powerful in resolving  
Inflammation. Inflam<sup>n</sup>: curres:  
as the possibility of the whole system





to Cold, so that warmer Drinks than usual are necessary. we know from Experience that they do relax the whole System. This, I, as Drinker can witness.

Are the nauseating Emetics useful in Inflamm<sup>n</sup>? Diseases? if they excite the extreme vessels they ought to encrease the Impetus & Inflamm<sup>n</sup>: so that a priori we are led to condemn them. But D. Pringle has lately found them very useful in Cases of Inflamm<sup>n</sup>, & I think I have seen them used w<sup>th</sup> Advantage. they restore a Determinat<sup>n</sup> to y<sup>e</sup> surface & lessen the Fever w<sup>th</sup> attend Inflamm<sup>n</sup>.



112.

The first of these is the fact that the  
 world is not a uniform whole. It is  
 made up of many different parts, each  
 with its own characteristics. These parts  
 are not always in harmony with each  
 other, and this is one of the reasons  
 why the world is so full of trouble and  
 sorrow. The second of these is the fact  
 that the world is not a perfect whole.  
 It is full of many things that are  
 not as they should be. These things  
 are the result of many different causes,  
 and they are all the more so because  
 the world is not a perfect whole.  
 The third of these is the fact that the  
 world is not a perfect whole. It is full  
 of many things that are not as they  
 should be. These things are the result  
 of many different causes, and they are  
 all the more so because the world is  
 not a perfect whole.

so that I w<sup>d</sup> recommend them to  
y<sup>r</sup> Trial.

May Opiate be used internally?  
I have always found them hurtful.  
they increase the phlogistic Diathesis -  
by their tonic power especially when  
given in small Doses. There are some  
Cases in w<sup>h</sup> the Irritation from pain  
or Cough render them necessary under  
some Restrictions of w<sup>h</sup> we shall say  
more hereafter.

as to Suppuration & Gangrene I  
have nothing new to say. I refer you  
to practical Authors for a History of them.

Suppuration is an Operation of Nature.



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however much we may talk of  
Suppurat<sup>n</sup>: Medicines, Galban<sup>m</sup>: Lig<sup>n</sup>:  
Onions &c have no Efficacy except  
it be by promoting the Heat and  
Laxity of the part, & Bread & Milk  
will answer both these Intentions.

This finishes the general Cure  
of Inflammation. I shall now  
speak of the particular Phlegmasia  
& begin <sup>th</sup> w: the internal Ones. I  
shall confine myself only to their  
Diagnosis & Cure, as I have nothing  
new to add upon their Histories.  
- I shall begin <sup>th</sup> w: the Head & spread  
downwards.



My dear Sir  
I have the honor to acknowledge  
the receipt of your letter of the 11th  
inst. and in reply to inform you  
that the same has been forwarded  
to the proper authorities for their  
consideration. I am, Sir, very  
truly, your obedient servant,  
J. H. [Signature]

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This is either Membranaceous  
or Parenchymatous. but the Symptoms  
do not admit of our distinguishing  
them. The slow Respiration seems  
rather to indicate the Parenchyma:  
than the Membranaceous: but this  
Observation wants more Facts than  
I have seen to confirm it.

They are seldom Idiopathic  
except when they arise from exte-  
rnal accidents such as Incisions  
wounds, Contusions &c. Phrenetic  
affections are generally Symptomatic  
when Idiopathic I believe they



*[The page contains several lines of extremely faint, illegible handwriting.]*

are seldom to be cured. there may  
be a maniac<sup>l</sup> state independent of  
an increased Impetus of the blood.

- Phrenetic Affections are generally  
connected w<sup>th</sup> Fever especially in those  
in w<sup>ch</sup> the sedative or stimula<sup>t</sup>: power  
greatly prevail. w<sup>h</sup> is to be done in  
these Cases? are we to attend to the  
Fever or the Inflam<sup>n</sup> of the Brain?

we must compound matters. in the  
beginning of them we may bleed,  
but after the Disease is a little ad-  
vanced bleeding is hurtful. this finishes  
all that I had to say on Phrenetis.



Journal

Jan 1st. Cold & cloudy -  
Jan 2nd. Snowy & cold -  
Jan 3rd. Clear & cold -  
Jan 4th. Snowy & cold -  
Jan 5th. Clear & cold -  
Jan 6th. Snowy & cold -  
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Jan 31st. Clear & cold -

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## Ophthalmia

This is a topical Disease & is seldom  
attended <sup>th</sup> Fever. general Bleeding  
therefore does no prove in it.  
Topical Bleeding alone must  
be ordered here.

There is no Effusion in Ophthalmia  
but a simple accumulation.  
hence the Application of Astringe  
nts is safe chiefly in these kinds of  
Inflamm<sup>n</sup>. especially after proper  
Evacuation have been used.

But Ophthalmia is not al.  
ways a topical Affection. It is often



vol: 11

1st See River: p: 226

also p: 389.

connected <sup>to</sup> the stomach & lower  
Extremities, but more especially  
<sup>to</sup> the first. I have seen many  
Instances of a remarkable Connection  
between the Eyes & Stomach in  
a great Number of Patients. I  
shall explain the Theory of this  
hereafter. in these Cases of Ophthal-  
mia we must pay great Attention  
to the State of <sup>the</sup> Stomach. (2.)

Ophthalmias are often Intermitt-  
ing & are to be cured Only by the  
Bark. the Ophthalmia may appear  
to be constant but has nevertheless



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regular Exacerbations & Remissions <sup>are</sup> w:  
may be discovered by close Attention  
to them for some time. the Urine  
sometimes indicates them by Deposits  
afterment.

The last Observation I have to  
make on  $\frac{2}{3}$  Ophthalmia is  $\frac{2}{3}$  it  
<sup>sometimes</sup> depends on Acrimony deposited  
on the Ciliar or mucous Glands <sup>are</sup> w:  
excite an Inflammation in the Eyes.  
- these are not always of  $\frac{2}{3}$  sero-  
phulous kind. they are to be cured by  
Medicines that Operate on  $\frac{2}{3}$  whole  
System. Vaccinations are hurtful. the





*Ophthalmica*

Salt water & wash are  $\frac{2}{y}$  only  
 in my ophthalmic Ophthalmia  
 medicines to be depended on. if  
~~they are not~~ Buty Recourse must  
 be had to Mercurials & gentle  
 salivations, ~~which is~~ When  
 the Ophthalmia arises from  $\frac{2}{y}$  Cause  
 we have been speaking of. —



*[Faint, mostly illegible handwritten text in cursive script, spanning approximately 10 lines across the page.]*

*[Faint handwritten text visible on the right edge of the page, likely from the reverse side or an adjacent page.]*

Lancet has employed  $\gamma$ : term  
 to every case of difficult ~~deglutition~~  
 or ~~Respiration~~ but this is very  
 improper. By Angina I mean an  
 Inflamm<sup>n</sup>: of the Fauces. the most  
 ordinary case is Cold constricting the  
 Fauces externally determines the fluid  
 to flow more copiously to  $\gamma$ : internally  
 Fauces. Angina is Peripneumonia Rheuma-  
 tism constitute 19 out of 20 of the  
 Inflamm<sup>n</sup>: Diverse. This arises from  
 these parts being most exposed to cold  
 w<sup>h</sup>: we know induces Congestion &  
 all the symptoms of Inflammation.



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The internal Membrane of <sup>the</sup> Fauces is a mucous Membrane. This Mucus is a vehicle of Acrimony more especially of our present Corruption. When this is effused it naturally increases Irritation & Inflammation.

The Effects of this Inflammation appear chiefly in the Congeries of vessels in the Fauces. & of this I shall treat more particularly. It has received different names from the different Degrees in which it affects the Fauces. It generally extends to the Larynx or Pharynx & sometimes affects the Muscles of De<sub>2</sub>.



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*

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glutition. all these Affections con-  
stitute but different Degrees of the  
same Disease.

I said the mucus of the Glands of  
Lanues was the ~~first~~ vehicle of Acri-  
mony. This we have many proofs of.  
all Zanthematic Fevers affect these  
Glands. the Diarrhoeas <sup>in</sup> attended by  
Anthrax depend on Acrimony determi-  
ned to the mucous Glands of Gutts.

But Acrimony is more disposed to pass  
to this Glands of Throat. now as  
these are more exposed to Cold than  
the Bowels we must not be surprised  
that its Discharge is often checked here





by which means the Angina is  
brought on.

There may be <sup>a</sup> Specific Contagion af-  
fecting the Tissues w. gives Rise to <sup>e</sup>  
putrid sore Throat. Dr. Keilham  
& Dr. Ferriergill have treated it in  
a very full & accurate manner.  
I have nothing new to add upon it.  
- It is to be cured by Peruvian Bark.  
Bleeding proves prejudicial in it.

It is of the greatest Importance  
to distinguish <sup>e</sup> Malignant Sore  
Throat from <sup>e</sup> Inflammatory. they  
are often confounded together. <sup>e</sup> Inflam.  
Angina sometimes proves Gangrenous



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## Angina

311

as well as the Malignant. see Dr. Huxham upon this. I have seen an

Angina epidemic here <sup>th</sup> w: was attended <sup>th</sup> w: Eanthemata that never ter-

minated in Gangrene. the best symptoms

to distinguish the Inflamm: Angina

from <sup>2</sup> malignant are 1: considerable

Tumor - 2: full pulse & 3: all <sup>2</sup> usual

Marks of Inflammat: In the malignant

Angina there is 1: little Tumor & 2 weak

Pulse & 3 great Prostration of strength

- when these symptoms are complica-

ted <sup>th</sup> w: any of the Inflamm: symptoms

Bleeding may be used <sup>th</sup> w: Advantage.

4: Children are more subject to the



*[Faint, illegible handwriting on the main page of the manuscript.]*

*[Faint, illegible handwriting on the right margin of the manuscript.]*

Malignant than the Inflam<sup>n</sup>. Ad-  
vice versa. 5<sup>th</sup> Sloughs attend the  
Gangrenous Angina, but every ap-  
pearance of it sh<sup>d</sup> not indicate the  
Malignant Angina to be present;

I have seen Aphthous White Specks  
on the Tonsils often in y<sup>e</sup> purely  
Inflam<sup>n</sup>: Angina & have ordered Bleed-  
ing in such Cases w<sup>th</sup> great Advantage

— Aphthae may happen in any Affec-  
tion of the mucous Glands. It attends all  
the Denthemata more especially the  
Small pox. Sloughs then I maintain  
alone are no proofs of y<sup>e</sup> Gangrenous  
Angina, Unless they appear very soon



" O Fiume, o Colli o Rive  
" Quanto Invidia vi porto  
" O verdi lauri, O pallidette Olive  
" Del mio dolce diporto  
" Voi vi godete, ed io sospiro a torto.

— vid: Falso vol: 2: p: 123  
L. J. L. Aug: 3: <sup>on 12</sup> 1768.

- have a vivid Appearance and  
are connected w: all <sup>the</sup> other Malig.  
nant Symptoms we before spoke of.

I have nothing new to add Upon  
the Cure of the Inflamm: Angina. You  
will find it amply treated off in all  
Practical Writers.



*[Faint, illegible handwriting on the main page of the manuscript.]*

*[Faint, illegible handwriting on the right margin of the manuscript.]*

The Inflammat: Affections of the  
Lungs are of more Importance.

They have 3 different seats 1<sup>st</sup> in y<sup>e</sup>  
mucous membranes of y<sup>e</sup> Bronchia  
2<sup>nd</sup> in the Parenchym: or cellular  
Substance of the Lungs 3<sup>rd</sup> in y<sup>e</sup> Pleura  
specially in that part of it w<sup>h</sup> forms  
y<sup>e</sup> covering of y<sup>e</sup> Lungs. but it extends to  
the Mediastin: Pericardium. & all y<sup>e</sup> parts  
of it extend over y<sup>e</sup> Ribs & cover the  
Diaphragm. The 1<sup>st</sup> of these is called  
a Catarrhal Peripneumony It  
is attended w<sup>th</sup> a Cough & Spitting I shall  
treat of it under the Profluvia. The 2<sup>nd</sup>



*[Faint, mostly illegible handwritten text in cursive script, covering the majority of the page.]*

*[Faint handwritten text visible on the right edge of the page, likely from the adjacent page.]*

& 3<sup>rd</sup> are always complicated as far as we can judge from Dissections.

Physicians have imagined they could distinguish them. the Dolor Gravitatis

indicates the 2<sup>nd</sup> especially when attended w<sup>th</sup> a full soft pulse. the 3<sup>rd</sup> species

may be called Plethoripneumony.

Can an Inflamm<sup>n</sup> of <sup>e</sup>  $\frac{1}{2}$  pleura w<sup>ch</sup> covers the Ribs be distinguish'd from the membrane w<sup>ch</sup> covers <sup>e</sup>  $\frac{1}{2}$  Lungs?

- all the Symptoms of Pleuroany often appear & yet no Appearance of an Inflamm<sup>n</sup> of <sup>e</sup>  $\frac{1}{2}$  Pleura w<sup>ch</sup> covers the Ribs. But I believe the pleura alone may be affected. Mr. Eller



*[Faint, illegible handwriting in cursive script, likely a historical manuscript or letter.]*

*[Faint, illegible handwriting on the right margin, possibly a continuation of the text or a separate note.]*

of Berlin denies this, & says we  
never find the Peritonium inflamed  
or affected in Inflamm<sup>n</sup> of the  
Bowels. . why then sh<sup>d</sup> the Pleura  
<sup>sh</sup> covers the Ribs w<sup>h</sup> is so analogous  
to the Peritonium be subject to Inflam<sup>n</sup>  
mation? But this proves too ~~far~~ much,  
for the Pleura is more liable  
to variation from Impetus - exte<sup>r</sup>  
nal Violence & than  $\frac{1}{2}$  Peritonium.

- When that part of  $\frac{1}{2}$  Pleura is in-  
flamed <sup>sh</sup> forms  $\frac{1}{2}$  Pericardium we know  
it by Extreme pain & palpitation of the  
Heart & Syncope. we also know when  
 $\frac{1}{2}$  part of it <sup>sh</sup> covers the Diaphragm



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is inflamed. w: are <sup>1</sup> <sup>2</sup> Diagnostic  
 marks of this? - for my part I  
 never saw the Delirium or Rious  
 Jargonius D: Boerhaave talks so  
 much off. nor do even dissections  
 show these symptoms to belong to it.

### Carditis

- I never saw this Disease, & believe  
 it seldom or never happens. Dr. Senac  
 has described it you may consult him  
 upon it. all I aim at you see in  
 these Lectures is to deliver something  
 new of my own. it w: employ a  
 12 months to give full histories of  
 every Disease.. —



*[Faint, mostly illegible handwritten text in cursive script, spanning approximately 15 lines across the page.]*

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No time can be limited for the Resolution of this Disease. it will depend upon the nature of the Effusions of w<sup>ch</sup> we spoke before.

Bleeding often cures this Disease w<sup>th</sup>out any Discharge from the Lungs. but few of them ever cease except w<sup>th</sup> some Discharge from the Lungs of some kind. It is  $\frac{2}{3}$  natural & often the necessary Crisis of the Disease. Bleeding (unless it is carried to very great depth) does not suppress the Expectoration, but on the contrary rather promotes it. What is  $\frac{2}{3}$  Matter expectorated?



*[Faint, illegible handwriting on the main page of the manuscript, possibly representing a list or account.]*

*[Faint, illegible handwriting on the right margin, possibly a continuation of the text or a separate note.]*

There is an Excretion of mucous  
 matter from the Lungs <sup>th</sup> resembles  
 Pus. This we prove from Catarrhs:  
 but even Pus may be discharged like-  
 wise. the Ordinary Salivæ may be so  
 increased as to be converted into  
 Pus. But why are not y<sup>e</sup> Effusions  
<sup>th</sup> w: end in suppuration poured out into  
 y<sup>e</sup> cellular Texture likewise? This is  
 a difficult Question, It cannot be re-  
 solved till we are more fully acquain-  
 ted w: the Structure of the Lungs.

In Confirmation of its being Pus  
 discharged in Pneumonia: De Haen  
 has given us several Dissections in w:  
<sup>th</sup>



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He found no Appearance of Ulcers  
 Altho the Patient had spit up Pus  
 for many Months. I don't sup-  
 pose <sup>th</sup> W. H. Haen that this Pus was  
 poured out from y<sup>e</sup> Arteries but was  
 formed from Salivary effused in an  
 unusual Quantity.

Besides the W. H. Haen: Termination:  
 of Pneumony of Resolution -  
Suppuration - Gangrene & Chirrus  
 there is a 5<sup>th</sup> viz: an Effusion of red  
 Globules into the cellular Texture  
 of the Lungs. When this is y<sup>e</sup> Case  
 y<sup>e</sup> Circulation of y<sup>e</sup> Blood is Obstructed



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It immediately suffocation is bro't on.

- This Termination is very frequent.

It has been mistook for Gangrene.

Morgagni has many Dissections  
that tend to confirm this.

The Pleura & Membrane lining  
the Lungs are often inflamed & yet the  
Respiration continues very free. from this  
we may infer that in Cases of very  
difficult Respiration we may always  
pronounce an Effusion to be present  
especially if they are attended w<sup>th</sup> an Ob.  
tuse pain. It is from the Respiration  
only I form my Opinion of y<sup>e</sup> Danger



1. as an Italian Author

of my Patient. Pain & hard Pulse  
are no signs of Danger. The Difficul-  
ty of Breathing is <sup>e</sup> only symptom  
w: sh<sup>d</sup> alarm us in Pneumonias as  
it always denotes Effusions to have  
taken place.

But there is a 6<sup>th</sup> Termination  
of Pneumonia: taken notice off by  
Pericarditis<sup>(a)</sup>. It is known by a hard  
Pulse - pain in the side inasmuch y<sup>t</sup>  
the Patient can't lie on it - const-  
ant Fever increased by Eating. ~~It~~  
He calls it a Parapleuritis. It differs  
from the Phthisis in having a hard  
Pulse - in having no Sputum - little Cough



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It in the patient; not being able to lie  
upon  $\frac{c}{e}$  pained side. The Reverse is  $\frac{c}{e}$  Case  
in the Phthisis.

We attribute these symptoms to a  
fibrous  $\frac{ch}{w}$ : remains in  $\frac{c}{e}$  Pleura.

To these I shall add a 7<sup>th</sup> Termi-  
nation viz: the Hydrops Pectoris. we  
always find a serous fluid poured out  
into  $\frac{c}{e}$  Cavity of the Thorax in Patients  
who die of Peripneumonia. especially if  
profuse Bleeding has been used in  
the Beginning.

### Cure.

This is well understood. Blood. Lett<sup>r</sup>  
is generally used  $\frac{th}{w}$ : advantage. But It  
is often superseded by Blistering.



Dr. Eller of Berlin

Is Purging useful in Reipneum?  
 - Sydenham condemns it Absolutely.  
 - but a late writer <sup>1st</sup> tells us he has used  
 it w: great Advantage. This perhaps  
 arises from his great Antipathy to  
 Bleeding after the 3<sup>rd</sup> or 4<sup>th</sup> day. I  
 have had too little Experience of this  
 Remedy to recommend it to you.  
 - I sh<sup>d</sup> ~~be~~ think it w: relax the  
 Pulmon. vessels, & thus prove serviceable.  
 What if it was to do great a Degree as  
 to suppress the Expectoration.  
 Are Emmetics useful? The French  
 recommend them, but I never saw.



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them and <sup>th</sup> w. Advantage.

Pectorals act only as Diluents.  
They are never given in sufficient  
Quantities to inviscate Acid  
Mucous.

The Acid pectorals such as Symp-  
licum &c increase the  
inflam<sup>n</sup>. Diathesis & do mischief.

Squills are much used as pecto-  
rals, but may they not operate as  
Emetics only? I think they do.

Oils do no service in <sup>e</sup> small  
Quantities they are given. & give



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Patients can bear them in a greater.

are Opiates useful in Pneumony? in the Beginning of it they are ~~not~~ hurtful. The Brit: na Physicians tell us they give them however very early in this Disease. — The Cough aggravates the inflam: ma: Affection, Opiates by checking this ~~may~~ ~~it~~ gives considerable Relief. —



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Inflamm<sup>n</sup> of the Uddamen <sup>327</sup>

The Intestines are in some cases  
subject to Erisipelles from acid  
matter applied to them, but we  
know of no symptoms that distin-  
guish it from the Phlegmon, nor if  
we did, w<sup>d</sup> it lead to any new meth-  
od of cure.

Inflamm<sup>n</sup> of these viscera are  
easily known by the acute pain. but  
they may & do happen w<sup>th</sup>out any  
pain or Fever preceding. Dissections  
sufficiently indicate this. Such In-  
flamm<sup>n</sup> are distinguish<sup>d</sup> by these two



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## Intoxication

Marks. 1<sup>st</sup> by happening in Inter-  
mittent <sup>fevers</sup> w: are tending towards  
Continual ones, or in all Malarial  
Fever. see Dr. Lind & Dr. Clegg in  
Confirmation of this. 2<sup>nd</sup> by <sup>the</sup> small-  
ness-weakness & Irregularity of the  
Pulse, joined w: a painful tension all  
over <sup>the</sup> Abdomen, & a peculiar cast  
of the Countenance w: I can't describe  
- It is an expression of Anxiety atten-  
ded w: staring eyes. & livid Lips. The tension  
of the Abdomen depends upon a tonic  
contraction of the Abdominal Mus-  
cles. It extends too to <sup>the</sup> Peritoneum



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Membranes show their Pains only  
in their Blind Extremities as in  $\gamma$ :

Rheumatism. the Navel is oft-  
ten the seat of pain in  $\gamma$  Enteritis  
<sup>ch</sup> w: proves that the Peritoneum is  
often affected <sup>th</sup> w: this Tension as  
well as the Muscles. from this you  
see the great use of topical Ble-  
eding- Blistering & Fomentation applied  
to the external Region of  $\gamma$  Belly.

Authors have spoke much of the  
Symptoms of Inflamm<sup>n</sup> in  $\gamma$  Spleen - Pan-  
creas. &c. but I know of no Symptoms  
<sup>ch</sup> w: characterise them, & shall therefore  
pass them Over. —



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Dr. Boerhaave Treatise on  
this Disease abounds in Absurdities.

- He supposes Inflamm.<sup>n</sup> may be  
seated in the vena Porta or <sup>l</sup>y.  
Hepatic artery. but Anatomists  
find no Marks of Sensibility or Irrita-  
bility in the vena Porta. Inflamm.<sup>n</sup>  
Affections must be confined to <sup>l</sup>y Hepatic  
artery. great Congestions happen  
every day in the Vena Porta & yet  
nothing like Inflamm.<sup>n</sup> moves. These Con-  
gestions may undergo a purulent  
Tumescence<sup>n</sup>. & by irritating the  
Membranes of <sup>l</sup>y Liver bring on



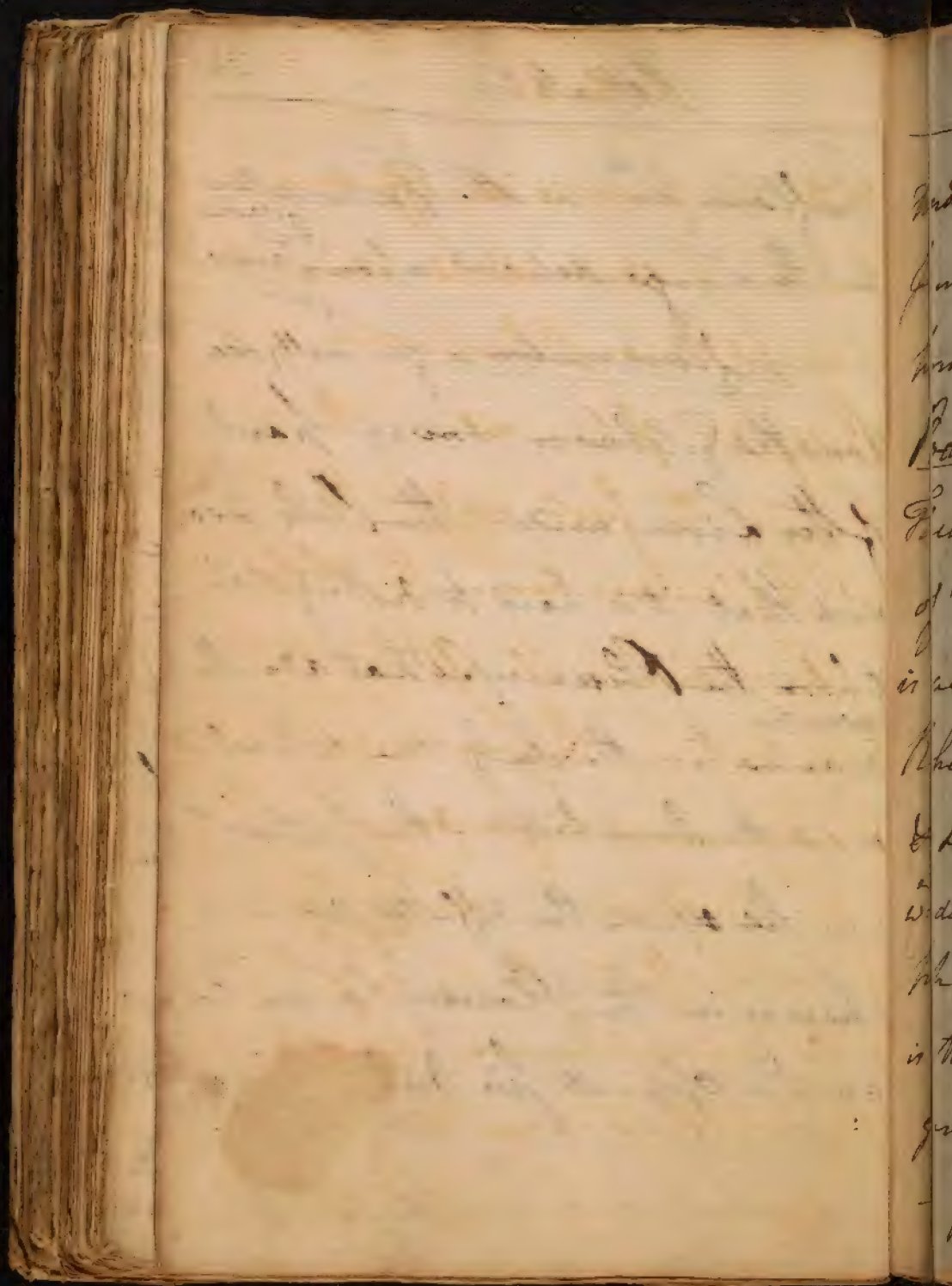
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Inflam<sup>n</sup> in it. Tubercles  
in the Lungs depend upon <sup>the same</sup> cause.

Inflammation is generally seated on the Gilebous or convex part of the Liver under the Ribs inso: much that it is hard to distinguish it from the Pleurisy. What are the <sup>Diagnostic</sup> Marks? The Only One to be relied on is the Decubitus. the patient can lie upon the affected side only. whereas in the Pleurisy he can lie on the Opposite side only. —





Under this I include all Affections of the Joints. I shall divide it into two principal species. Rheumatism and Podagra. I have delivered the general Theory of the first under the Head of Inflammation. The whole System is always more or less affected in the Rheumatism. The pain is wandering & seldom remains long in one place. on w: does this depend? - when a Diathesis Phlogistica affecting the whole System w: is the principal Disease. upon this Ac: general Bleeding may be very useful - I formerly recommended topical Bleeding.



1840

My dear friend  
I have just received  
your letter of the 10th  
and am very glad to hear  
from you. I am well and  
hope this finds you the same.  
I have not much news to write  
at present. I am still in the  
same place and doing the same  
work. I am very busy at present  
and cannot write much more.  
I will write again when I have  
more news to tell you.  
I am, my dear friend,  
very truly yours,  
Wm. Lloyd Garrison

My dear friend  
I have just received  
your letter of the 10th  
and am very glad to hear  
from you. I am well and  
hope this finds you the same.  
I have not much news to write  
at present. I am still in the  
same place and doing the same  
work. I am very busy at present  
and cannot write much more.  
I will write again when I have  
more news to tell you.  
I am, my dear friend,  
very truly yours,  
Wm. Lloyd Garrison

only, but I have since altered my  
Opinion & Practise. topical Bleeding  
may palliate Symptoms & alleviate<sup>g</sup>  
pain, but general Bleeding is ne-  
cessary for a radical Cure in Order entire-  
ly to take off the Phlogistica this is.

- the advantages of topical Bleeding  
are not so great as we might suppose.

- it at best gives a tedious Cure. Gene-  
ral Bleeding hastens the Cure. It should al-  
ways be proportioned to the Degree of Inflam-  
mat. Diathesis present in the system.

Is Leucating useful in  $\frac{e}{y}$  Rheu-  
-matism? The late Dr. Clark recommended  
it very highly. It is liable to all the



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Objections we formerly took notice  
off, except that it can not encrease  
internal Determination as in those Cases  
where <sup>e</sup>Viscera are inflamed. if Swea-  
ting aggravated the Symptoms Dr Clark always  
intermitted it a while & repeated Bleeding.  
- at any rate It should not be attempt-  
ed till after Blood-letting has been  
used, nor should any Sudorifics but  
the most gentle kind be given. Wine  
- Heat &c should be strictly avoided. I am  
acquainted <sup>th</sup> w: a Physician who follows  
this Practice <sup>th</sup> w: the most desirable success  
- It should be carried on by Dover's





# Rheumatism

344

Powder. the Preparanda is  $\frac{e}{4}$  chief  
medicine that Operates here. perhaps  
the Opium may contribute to retard  
the extreme Refels. I believe then  
upon the whole sweating may be  
used w<sup>th</sup> Advantage after Bleeding has  
been premised, especially if we find  
no ill Consequences of it after gasing  
it 12 hours. It sh<sup>d</sup> always be conti-  
nued for 24 or 48 hours if we would wish  
to procure any Benefit from it.



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In Nosology this Disease must be  
united w<sup>th</sup> the Arthritis:

Hitherto we have had but little success  
in establishing a Theory or a regular  
Practice in this Disease. I never  
knew any two Physicians who agreed  
in their Opinions of it. I hope I shall  
be able to give you something new  
upon it.

For a History of the Disease see  
Dr. Sydenham. I shall only distin-  
guish it from the Rheumatism by the  
following Marks.

1. By the time of Life <sup>at</sup> it affects. Young



(14) This is rather an early period. few are  
subject to it till 60. if it comes on  
before or at 35 it generally shortens  
Life.

People are seldom affected w<sup>th</sup>  $\frac{2}{y}$  Gout.  
it seizes few people till the Age of  
35, w<sup>th</sup>  $\frac{2}{y}$  Chene properly marks ~~the~~ out  
as  $\frac{2}{y}$  ~~for~~ meridian of Life. The Rheu:  
matism happens between  $\frac{2}{y}$  Ages  
of 15. and 35 generally.

2<sup>nd</sup> by their Causes. The Rheumatism: seldom  
appears without an <sup>evident</sup> Cause parti-  
cularly Cold. The Gout is ushered in by  
Causes w<sup>h</sup> have no Relation to Cold.

3.<sup>rd</sup> By <sup>the</sup> symptoms preceding the Attack of the Disease. the Rheumatism is only preceded by the ordinary symptoms of the Fever. the Gout is preceded for y<sup>e</sup> most



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part <sup>the</sup> w: some disease in the stomach.

4.<sup>th</sup> By the seat of the pain. the Gout 9 times out of 10 affects the foot especially the great toe. rarely it attacks the fingers. the Rheumatism seldom reaches beyond the Ankles, or wrists.

5.<sup>th</sup> By the Duration of the pain. <sup>e</sup> Gout remains for several days in one spot. the Rheumatism changes its seat often & affects more places <sup>n</sup> one at a time.

6.<sup>th</sup> ~~By~~ the Gout is distinguished from <sup>e</sup> Rheumatism by being followed with



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a Disorder of the Stomach & Head af-  
- ter the violence of the pain ceases.

- This is very rare in  $\frac{2}{3}$  Rheumatism  
altho' I have once or twice seen it  
but then it produced very violent  
Symptoms & often in <sup>such cases</sup> proves mortal.

- These marks when strictly atten-  
- tive will always furnish a Distinc-  
- tion between the Gout & Rheumatism.

### Proximate Cause.

~~to~~ This has been attributed to ~~the~~  
morbid matter in the Constitution.

- there is no Opinion more universal  
in Physic than this. I have opposed this



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notion & have been looked upon as  
a paradoxical blunder Fellow for it.

- I reject the Existence of Morbid  
Matter <sup>1<sup>st</sup></sup> because it is entirely  
hypothetical & we have no proofs of  
it. the Matter found in  $\gamma$  joints  
is the Effect not  $\gamma$  Cause of  $\gamma$  Disease.

- the Hypothesis first took its Rise from  
the Universality of Currimony in our  
late Systems of Physic. formerly all  
pain was attributed to this source, but  
our late Improvements in  $\gamma$  knowledge  
of the Nervous System has shown us  $\frac{2}{\gamma}$   
absurdity of this Doctrine.



(a) The ven<sup>e</sup>. Disease we grant is  
Hereditary. but then this breaks  
but at last, I don't continue  
inactive in my Constitution till beyond  
the Age of 35.

2.<sup>d</sup> Physicians disagree About <sup>e</sup> the nature  
of this Morbific Matter. Several Men:  
have 40 different ~~of~~ Opinions About the  
Quality of this Matter.

We cannot infer the Existence of  
Morbific Matter from <sup>e</sup> the Disease  
of being Hereditary. This depends upon  
a certain Conformation of System, as we  
see in the Epilepsy & Phthisis. (21)

Contagion has been adduced in  
Favour of Morbific Matter, but there  
are no proofs of the Gout's being  
contagious. Paraswister stories  
upon this Subject are ridiculous



as we often see it bro't on in a  
few minutes after drinking a  
Glass of wine. the wine here surely  
could not generate a Morbific Matter  
in this short Interval of time. -

in the highest degree & prove nothing.  
we every day see thousands of samples  
of Persons exposed to it & yet do  
not receive it. I conclude then  $\frac{1}{2}$   
the disease is not contagious. &  $\frac{1}{2}$   
therefore can't depend on Morbid matter: in

3.<sup>rd</sup> The Phenomena of  $\frac{1}{2}$  Disease  
are by no means manicleable  
th<sup>o</sup> the notions of Morbific Matter  
- how often do Passions of  $\frac{1}{2}$  mind -  
shard study induce it suddenly! Surely  
Morbific Matter w<sup>d</sup> act more uniform.  
ly - Besides we see it suddenly rem-  
oved from one part of  $\frac{1}{2}$  Body to  $\frac{1}{2}$  other





by a Fright or any other Imotion of  
the ~~Brain~~ <sup>mind</sup> could morbid <sup>matter</sup> be moved from  
in these Cases from one spot to another.

- I once knew the Oil of Camphor  
when applied to  $\frac{1}{2}$  Ankle remove it  
immediately to the Opposite Ankle, <sup>then</sup>  
when I applied to  $\frac{1}{2}$  Ankle it had moved  
to, by the Application of  $\frac{1}{2}$  same Oil  
removed to  $\frac{1}{2}$  Knee, surely no morbid  
matter could be translated or  
separated thus suddenly. We often see  
it drive from  $\frac{1}{2}$  Stomach by Stimuli  
- Now how can these act? They  
have no power of destroying. Morbid



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matter. Is it not ~~so~~ reasonable to suppose that they produce their Effects by Obviating the Atonia of <sup>the</sup> stomach on w<sup>ch</sup> the Gout depends.

In a word all the Theories that <sup>have</sup> been proposed, abound w<sup>th</sup> such palpable Absurdities that I think there can be no Occasion to refute them.

In supposing a Morbid Matter present we must call in certain Motions in the System to acc<sup>om</sup> for <sup>the</sup> Symptoms of the Gout. The Theory I am About to offer will tend still further to show



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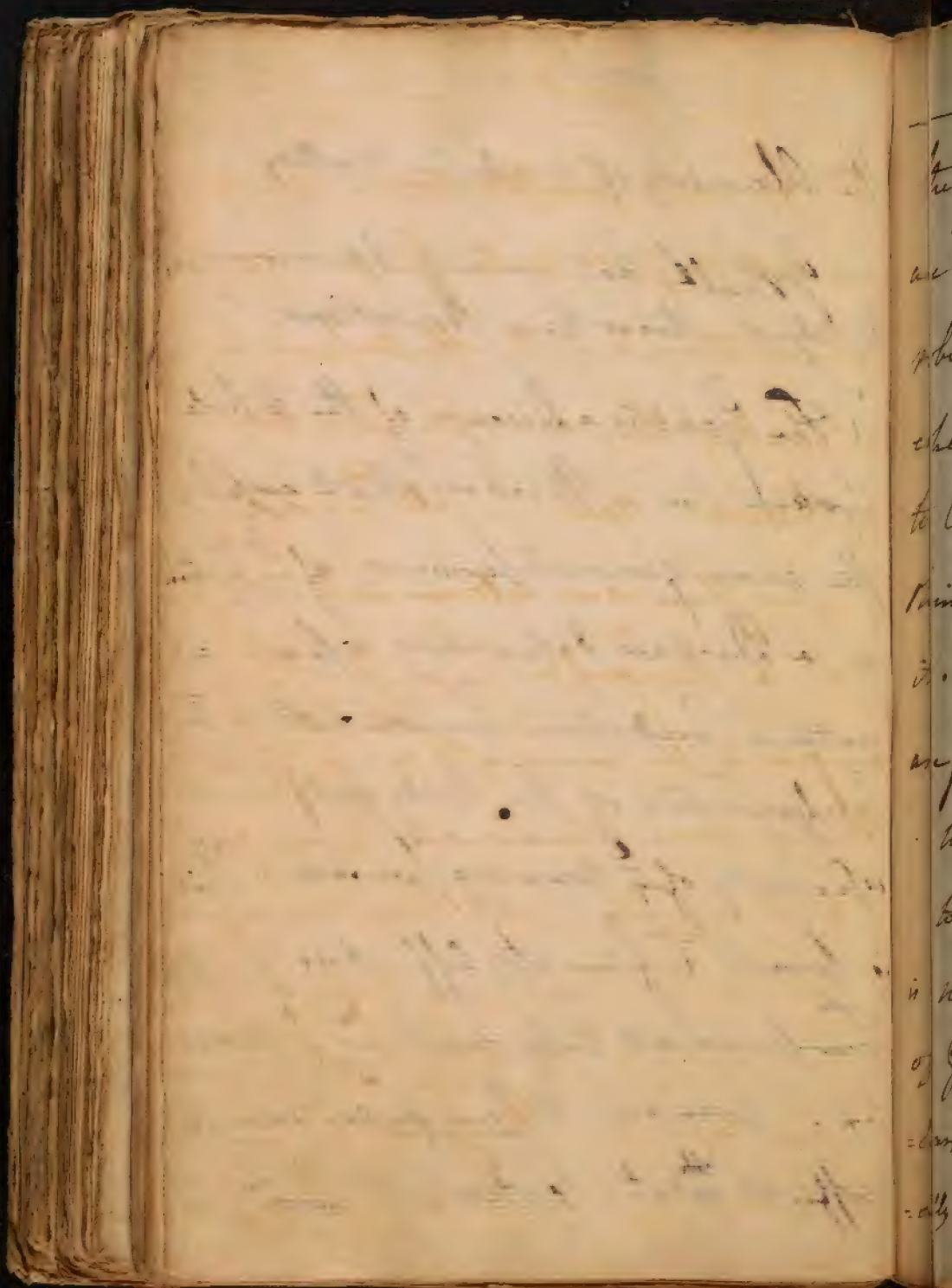
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## The Absurdity of Morbific Matter

I shall deliver my Opinion upon  
this subject in two or three Propositions.

1. The Gout is a Disease of the whole  
System, or a Disease that employs  
the more general powers of <sup>the</sup> system  
or a Disease depending upon a  
certain Condition. Constitution &  
Conformation of the Body but more  
especially of <sup>the</sup> moving powers. This  
is proved 1<sup>st</sup> from its affecting peculiar  
Temperaments only, such as <sup>the</sup> male  
Sex. women & Eunuchs are rarely  
affected w<sup>th</sup> it. Castration produces





# Gout

355

The female Constitution. all Men  
are not subject to the Gout. large  
robust Men are chiefly disposed to it,  
especially if they are plethoric & disposed  
to Obesity. lean people w: a smooth  
shining skin are seldom subject to  
it. a Roughness & Coarseness of skin  
are generally connected w: <sup>the</sup> de Gout.  
wise men likewise are more sub.  
to it to Fools. but this Observation  
is not so universal as to be a Mark  
of Genius. 2<sup>d</sup> It attacks at a par-  
-ticular time of Life. the solids are perpet-  
-ually changing in every different period



Alph: 1262

of Life. this is one argument in fav<sup>r</sup>  
of its depending upon a peculiar con-  
formation of the system.

<sup>nd</sup> 2<sup>nd</sup> Prop: the Gout is chiefly a Disease  
of the nervous system. all Diseases  
affect the nervous system more or  
less. but  $\frac{c}{y}$  Gout affects the nervous  
system more purely & produces its  
Effects secondarily upon  $\frac{c}{y}$  Vascular  
System. This makes <sup>it</sup> a doubtful Mat-  
ter whether this Disease should belong  
to  $\frac{c}{y}$  Pyrexia or neuroses. Bontell.  
Linn<sup>e</sup> was  $\frac{c}{y}$  first who pointed out  
its being a nervous Affection. <sup>and</sup> Boerhaave



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is obliged to ~~adopt~~ <sup>c</sup> the same Opinion.  
 - But I think it is proved beyond  
 a doubt to be seated in <sup>c</sup> the nervous  
 System from <sup>2</sup> the Facts we have  
 mentioned of <sup>c</sup> the Causes & Cure of <sup>c</sup> the  
 Gout being so much influenced by  
<sup>the</sup> <sup>c</sup> Passions of <sup>c</sup> the mind, 2: from its  
 removing nervous Disorders such as  
 Trillings Vertigo &c 3: from its  
 being so much connected <sup>the</sup> w: the  
<sup>Gout</sup> <sup>c</sup> ~~Horizaepe~~. 4: from its being so suddenly  
 translated from One part of <sup>c</sup> the Body  
 to <sup>c</sup> the Other. These motions are too sudden  
 to be carried on any where else but



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in the new System. the strongest  
Argument we have adduced is from its  
Connection <sup>th</sup> w: the Stomach. You all  
know <sup>e</sup> y<sup>e</sup> Stomach is provided <sup>th</sup> w: a  
vast number of nerves & endowed  
<sup>th</sup> w: various sensibility & <sup>th</sup> w: gives  
it a very great Connection <sup>th</sup> w: the  
Sensorium, & this gives it a very  
great Connection <sup>th</sup> w: every part of the  
nervous System especially <sup>th</sup> w: y<sup>e</sup> skin.  
It indeed <sup>th</sup> w: the Extremities of all  
the vessels in every part of the body  
particularly the Venuis. all Hemorha-  
gic congestions are greatly connected



12. The stomach may w: propriety  
be called <sup>the</sup> index of the whole system  
in all diseases, more especially in  
the Gout. —

<sup>th</sup>  
w: the stomach. I told you some  
Instances a few Days ago of a reman-  
kable Connection between the stomach  
& the Eyes. But the stomach & Lower  
Extremities are most wonderfully  
connected <sup>th</sup> w: each other. Van Helmont  
tells us  $\gamma$ : he once dislocated his Ankle  
when he was very hungry <sup>th</sup> w: im-  
mediately took away his Appetite but  
upon reducing his Ankle his Ap-  
petite was restored. (a)

Such is  $\frac{1}{2}$  Constitution of our System  
you see  $\gamma$ : Motions in One part pro-  
duce Motions in Another, in such a



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manner as to increase the Impetus  
 of  $\frac{c}{y}$  Blood in  $\frac{c}{y}$  Muscular Fibres to  
 such a Degree as to bring on ~~the~~  
 Inflammation. <sup>Is</sup>  $\frac{c}{y}$  Motions  
<sup>th</sup> produce the Gout? we know  
 too little of  $\frac{c}{y}$  Nervous System to  
 explain this Question fully. I shall  
 attempt <sup>it</sup> however & begin by ob-  
 serving <sup>or</sup> that there is a sensorium or  
 Centre in <sup>th</sup> w: is denoted an Energy or  
 power <sup>th</sup> w: exerts itself to  $\frac{c}{y}$  Extremities  
 of the Nervous System. This Energy  
 depends upon Impressions made on  $\frac{c}{y}$   
 Extremities & a Propulsion in them



+

(a) or accord<sup>g</sup> to their Relation to  
Lunaticum.

the Impressions made on  $\gamma^{\frac{2}{2}}$  & transmit  
 produce different Effects on  $\gamma^{\frac{2}{2}}$  Sensorium  
 according to a Difference of Conformation  
 in these  $\gamma^{\frac{2}{2}}$  transmitis. (a) not only moti-  
 ons, but a want of usual Motion  
 will produce a variety in  $\gamma^{\frac{2}{2}}$  Fusion or  
 Motion of  $\gamma^{\frac{2}{2}}$  System. This is illustrated  
 by J. Lynce. the Action of  $\gamma^{\frac{2}{2}}$  Heart  
 depends on  $\gamma^{\frac{2}{2}}$  Energy of  $\gamma^{\frac{2}{2}}$  Sensorium &  
 $\gamma^{\frac{2}{2}}$  Energy of  $\gamma^{\frac{2}{2}}$  Sensorium upon the  
 Efflux of Blood from  $\gamma^{\frac{2}{2}}$  Heart into  
 $\gamma^{\frac{2}{2}}$  Brain. in this case there is a Reac-  
 tion in the Sensorium <sup>th</sup> sets  $\gamma^{\frac{2}{2}}$  Heart  
 in Motion Again, & this too in Conse-



1<sup>st</sup> In all Cases of Atonia the sensoria  
reacts in order to remove it.

quence of  $\frac{2}{y}$  Hearts Motion having ceased.

The same takes place in a want of  
Tension in the Extremities. The  
Sensorium reacts to excite ~~the~~ them.  
Let us now apply this to  $\frac{2}{y}$  Theory  
of the Gout.

I suppose the Energy of  $\frac{2}{y}$   $\frac{m}{m}$   $\frac{m}{m}$   
is not extended to  $\frac{2}{y}$  Extremities of  
 $\frac{2}{y}$  Vessels in  $\frac{2}{y}$  great toe. hence an  
Atonia & Spasmodic Affection will take  
place there. <sup>(a)</sup> The Sensorium reacts in  
such a degree as to bring on the  
Inflam<sup>n</sup> Diathesis in the part. the  
Gout then you see is a topical Fever.



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Do y<sup>e</sup> Phenomena<sup>of the Gout</sup> agree w: this  
 Hypothesis? Yes - I conclude  
 an Atonia takes place in y<sup>e</sup> Feet from  
 an unusual Degree & stoppage of  
 y<sup>e</sup> Excretion of y<sup>e</sup> Feet - by a Coldness  
 weakness of the parts - by Cramps  
 & Subtleties of the whole Limb.  
 all this I think tends to prove a  
 Constriction in y<sup>e</sup> vessels affected.  
 2<sup>nd</sup> we conclude an Atonia to be  
 present from y<sup>e</sup> Energy of y<sup>e</sup> Insens-  
 ibility being diminished w: we know  
 always favours the Formation of  
 Phlegm. This is proved from its



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attacking old people - or people  
who have been using to hard la-  
bour - Intemperance and study  
venery - and all other causes  
w<sup>h</sup> tend to weaken the excitement  
of the <sup>m</sup>ensori. Other symptoms of debi-  
lity appear in <sup>e</sup> the whole system  
such as Costiveness Acidity in <sup>e</sup> the  
Stomach &c. It is of no Importance  
here to explain in w<sup>h</sup> manner the  
Reaction of <sup>e</sup> the <sup>m</sup>ensorium is produced.  
- But we said the Gout affected  
the robust full strong people who  
live high, hence it prevails more



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in England than in any other  
Country in Europe. now all these  
Circumstances point out a Consti-  
tution <sup>n</sup> is subject to Inflamm<sup>n</sup>.  
Diseases. the Gout Attacks like-  
wise at <sup>e</sup> season of Inflamm<sup>n</sup>. Dis-  
eases & is seated too in <sup>e</sup> Ordinary  
Seats of Inflamm<sup>n</sup>. viz: <sup>e</sup> Mem-  
bran<sup>e</sup> part of the Muscles, or Joints.  
in a word it follows <sup>e</sup> ordinary  
Course of Inflamm<sup>n</sup>. Disorders. there is  
therefore a Foundation for <sup>e</sup> Gout  
in the Inflamm<sup>n</sup>. Constitution some-  
thing distinct from <sup>e</sup> we called the



It differs from <sup>2</sup> Rheumatism  
chiefly in not being induced by  
cold, but by causes which take off  
Energy of the Muscularium.

Inflamm<sup>T</sup> Diathesis<sup>124</sup>. The Atonia then  
 produces such a Reaction in  $\frac{e}{y}$  Genio:  
 rum as takes place in Cases of Inflamm:  
 mation. But if the system is so  
 weakened that the Inflamm<sup>T</sup> Reaction  
 can not follow, other Symptoms occur  
 of w: we must now speak. all  
 $\frac{e}{y}$  Causes of  $\frac{e}{y}$  Gout act directly by  
 diminishing  $\frac{e}{y}$  Energy of  $\frac{e}{y}$  Genio:  
 rum or indirectly on the extreme parts.  $\frac{e}{y}$   
 Palsy following  $\frac{e}{y}$  Gout is a proof of this.  
 - how  $\frac{e}{y}$  Gout may be so gentle as  
 not to produce a Palsy, <sup>but</sup> it may produce  
 an Atonia of  $\frac{e}{y}$  System & hence all



(a) we know  $\gamma$ :  $\frac{2}{\gamma}$  Reaction is  
stronger by the Paroxysm being  
violent & occurring not very soon  
after. But then violent Reactions  
must of  $\frac{2}{\gamma}$  circumstances to destroy the  
Some of the effects, & thus contribute  
towards the Repetition of Paroxysms  
tho' perhaps less violent.

$\frac{2}{7}$  Lymphatics we see occur when this Organ is affected. This explains the Reason why Stimuli remove this Atonia & thus cure  $\frac{2}{7}$  Gout.

- This is  $\frac{2}{7}$  first Case of Anomalious or a Case in w<sup>h</sup>  $\frac{2}{7}$  Sensorium does not react so as <sup>to</sup> produce  $\frac{2}{7}$  Inflamm<sup>n</sup>.

Inspected (a)  $\frac{2}{7}$  same way of Reasoning will explain to us  $\frac{2}{7}$  Cause why  $\frac{2}{7}$

Lungs & other Organs are so often affected w<sup>th</sup> Plethora. Effusions & Dropsies.

- these Effusions when they happen in  $\frac{2}{7}$  Brain (from a very weakened Energy of it) induce Apoplexy Palsy &c.



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The Peripneumonia Arthritis of Lydenham  
is an Inflam<sup>n</sup> Disease & should be  
treated as such. But in Cases of  
retroceding Gout no Organs are so  
much affected as y<sup>e</sup> Kidneys from  
their Extreme Connection w<sup>th</sup> y<sup>e</sup> Stomach  
& lower Extremities. in Cases therefore  
of y<sup>e</sup> Brain's Reaction Serious Effusions  
will be very apt to happen in the  
Kidneys & hence y<sup>e</sup> Reason why  
Gouty people are so subject to tho.  
ny Connections. the Gouty Inflam<sup>n</sup>  
is disposed to effuse an Effusion sui Gene.  
ris w<sup>ch</sup> is disposed to harden into a Chalky



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Gout in the Joints. These Concretions  
 are likewise common in all <sup>the</sup> Viscera  
 but especially the Kidneys. In nephri-  
 tis Affections occur before a calcareous  
 Matter is formed? ~~For they are no~~  
 - it may lie dormant there for some  
 time till a new Sort of Gout of some  
 other Cause induces an Inflamm<sup>n</sup> in  
 them.

## Doctrine

all this General tends to lead us  
 to the Cure, or Methodus Medendi.

Is there a Radical Cure for the Gout?

- It is a constitutional congenial and  
 Often a hereditary Disease, <sup>the</sup> w<sup>h</sup> gives us  
 Reason to think it can not be perfectly



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and. See Boerhaave <sup>(a)</sup> upon this  
 subject. But Art cannot renew  
 a man's Constitution. Medicine  
 is only palliative. <sup>=tive</sup> Often partial in its  
 Operation. it makes but few im-  
 mediate Changes upon the System. Our  
 chief Dependence in changing the Con-  
 stitution must be taken from Re-  
-gimen. Bodily Labour. under this  
 Head may be considered as a radical  
 Cure. we never see Labouring Men  
 subject to it, even those who are de-  
 scended from Affluent Families are never  
 seized if they are so reduced by Misfortunes  
 as to be obliged to work for their support.



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How does Labour Operate? 120  
 Mode of Gestation except bodily Exer-  
 cise will answer our Intention in  
 this Disease. Sailing does not prevent  
 it. Sea-Officers & Commanders are as  
 subject to it as other people. bodily  
 Labour then appears to act & preserve  
 the Force of the Muscles w<sup>ch</sup> we know  
 are covered w<sup>th</sup> the Membranes w<sup>ch</sup> are  
 the seats of the Gout. wounds. Tortures  
 & violent pains have produced radical  
 Cures for the Gout. I formerly thought  
 Exercise acted only by promoting the  
 Respiration. Dr. Boerhaave seems to be



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of this Opinion, & infer it from ~~some~~  
 Facts, but I rather believe this is an  
 accidental Circumstance & depends upon  
 an increased tone of the vessels. But  
 still I grant the Gout is connected  
 considerably w<sup>th</sup> <sup>the</sup> Prospiration hence the  
 Reason why Gouty people are sel-  
 dom troubled w<sup>th</sup> the Gout in <sup>the</sup> Summer.

Should bodily Labour be continued  
 constantly even in advanced Life? No.  
 we have Instances of Persons who have laid  
 it aside, <sup>tho</sup> being seized again w<sup>th</sup> <sup>the</sup>  $\frac{1}{2}$  Gout.  
 I think it sh<sup>d</sup> be continued till the  
 Inflam<sup>y</sup> Diathesis of  $\frac{1}{2}$  System is entirely



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removal <sup>is</sup> w: is at a medium about <sup>2<sup>nd</sup></sup> 50.  
 Year of Life. —

But there is another ~~Remedy~~ for  
 the Gout. viz: a low Diet. it acts  
 by taking off the Inflamm<sup>n</sup>: Consti-  
 tution <sup>is</sup> ~~the~~ Foundation of <sup>2<sup>nd</sup></sup> Gout.

- But some tell us a Milk Diet has  
 not on the Anomal<sup>y</sup>: Gout we were  
 speaking of. we must to Obviate  
 this Observe that there are two species  
 of Gout viz the Inflamm<sup>n</sup>: & Atonic. The  
 1<sup>st</sup> is seldom dangerous, Altho' attended  
 the 2<sup>nd</sup> is great pain w: <sup>is</sup> weakens the parts &  
 thus induces the Atonic State. the 2<sup>nd</sup> arises



(a) It sh<sup>d</sup>? always be joined with some  
Degree of Labour! —

from Debility. the Reaction here is  
generally very weak, hence no Inflam-  
mation appears in the Extremities but  
a variety of Diseases in  $\frac{2}{4}$  whole System.  
- the 1<sup>st</sup> attacks younger people the  
2<sup>nd</sup> older people. the 1<sup>st</sup> occurs in  
 $\frac{1}{4}$  first stage of the Gout, the 2<sup>nd</sup>  
in the last. an Attention to these  
Circumstances sh<sup>d</sup> regulate our Remedies  
in treating the Gout. the Milk-Diet  
should be used in the Inflamm<sup>n</sup> only,  
- in the Decline of Life when the Sys<sup>tem</sup>  
labours under an Atonia this Remedy  
will prove hurtful. Milk in particular



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as well as all Acrid Diet tends to  
induce a Debility of the Stomach. No  
Habits sh<sup>d</sup>? be checked suddenly. a  
Person sh<sup>d</sup>? never enter upon such  
a Diet suddenly from a very full  
one. Meat sh<sup>d</sup>? gradually be laid aside,  
- now sh<sup>d</sup>? the Animal Diet be too sud-  
denly resumed, or a very dangerous &  
irregular Gout / from  $\frac{1}{2}$  Atonia of  $\frac{1}{2}$   
System) will be induced.

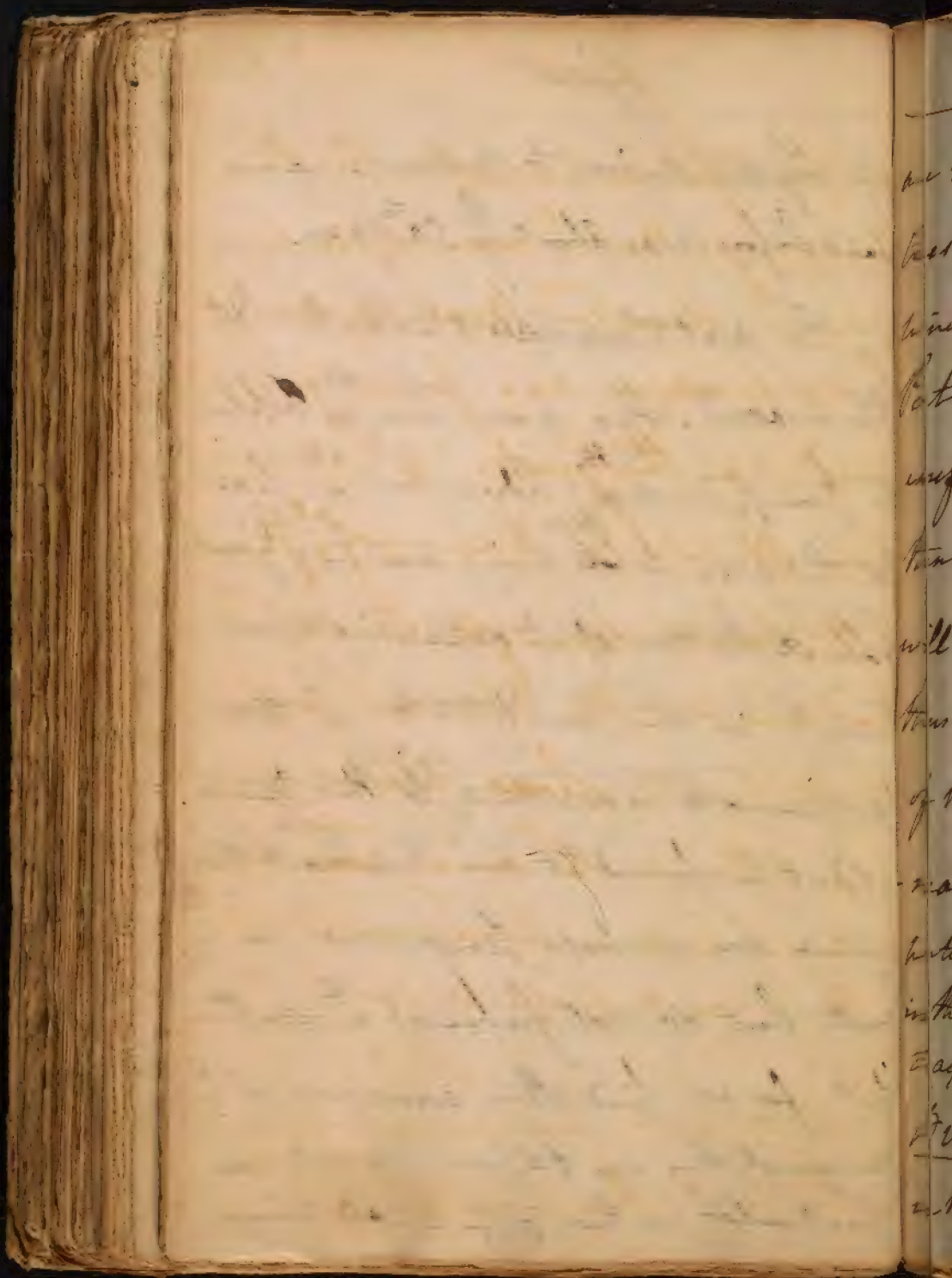
How long should this Diet be continued?  
- Edwards & Dolans say One Year. But  
Experience has taught me  $\frac{1}{2}$ : It should  
be continued for several Years, or till



(a) viz: a Man from taking too  
great a Quantity of  $\frac{1}{2}$  lb of bituol was  
seized w<sup>th</sup> the Gout w<sup>as</sup> cured by a  
few Doses of alkaline salt.



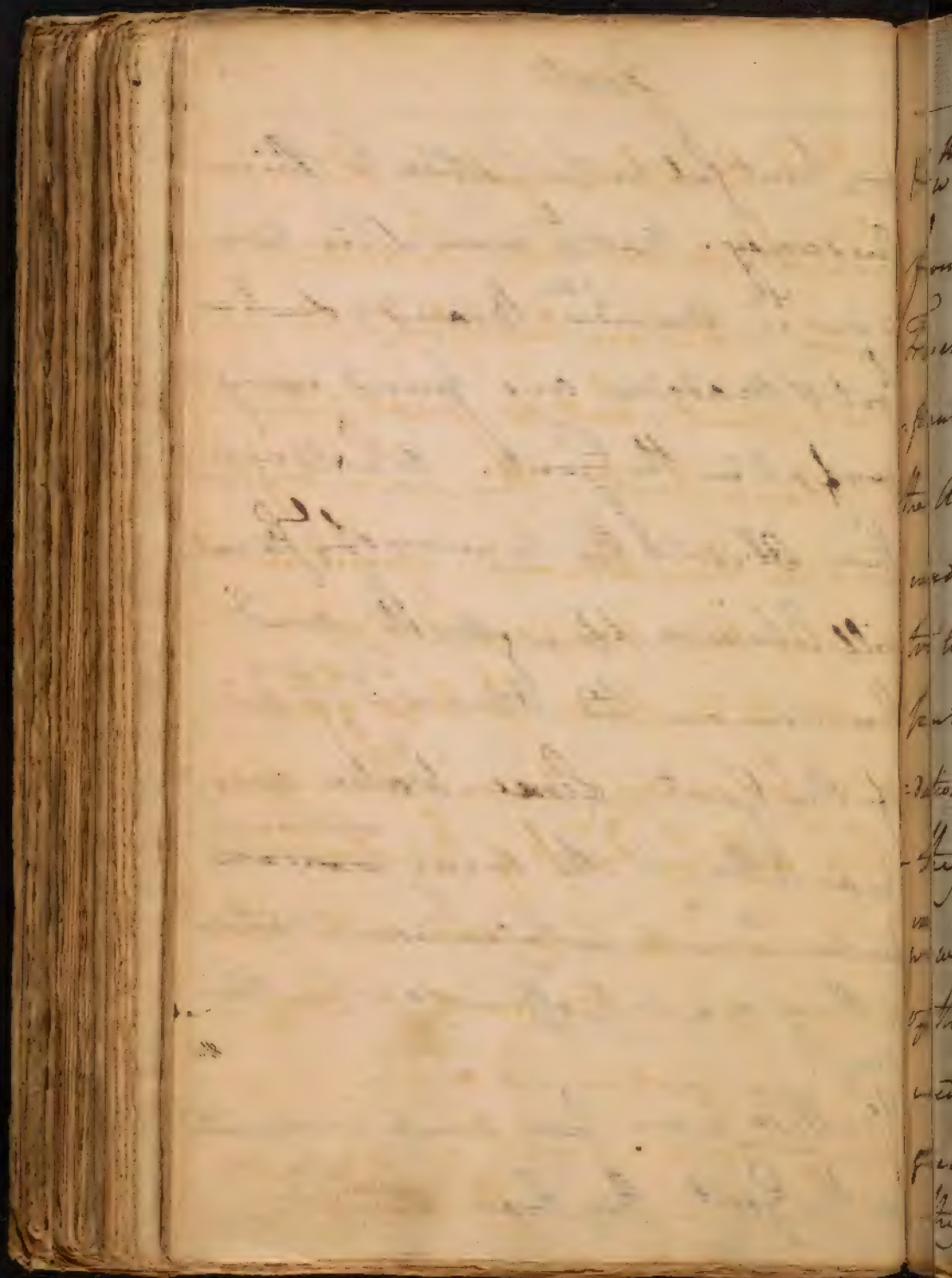




are hurtful in proportion to their  
 Acrescency. But <sup>the</sup> <sup>the</sup> more spirituous  
 wines w: abound: Brandy such as  
 Port & Madeira are found very  
 useful in the Gout. Whatever  
 then Abviates the Acrescency of <sup>the</sup> Stomach  
 will likewise strengthen it, and  
 thus remove the Atonia w: <sup>is</sup> <sup>the</sup> Cause  
 of the Gout. Lime-water - Mag-  
 nesia Alba, & the many <sup>medicinal</sup> ~~mineral~~  
 waters w: contain Calcareous Matters  
 in them are only efficacious in this  
 way.

Bitters have been much commended  
 in the Gout. They brace up <sup>the</sup> Stomach.





It <sup>the</sup> is the whole System. This is proved  
from their curing Intermittent  
Fever. They are hurtful in y<sup>e</sup> In-  
flam<sup>d</sup>. Gout, but do great service in  
the Atonic Gout. They have long been  
used in this Disease. if continued  
too long they bring on Atonia in some  
parts of the Body w<sup>ch</sup> lays y<sup>e</sup> founda-  
-tion for many Chronic Diseases.  
- They act by Ex<sup>ch</sup> of Excitement  
<sup>in</sup> as we know in time destroys the tone  
of the Vessels. They must therefore be  
used very cautiously, & only in Cases of  
great Atonia. if continued too long  
they will increase the tone of y<sup>e</sup> Vessels



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too much, & thus destroy them.

Chalybeates have been found very  
useful as tonics. The underbridge  
& Bath waters are impregnated w:  
Steel, & do great service in Cases  
of Atonia Gout. in y<sup>e</sup> Inflamm<sup>n</sup>.  
Gout they do harm. The Bath  
waters are supposed to be best as  
from their warmth they determine more  
to the skin.

### Bleeding.

Much dispute has been entertained  
about this Remedy. we can now  
see y<sup>e</sup> Reason of it. Lister & the late



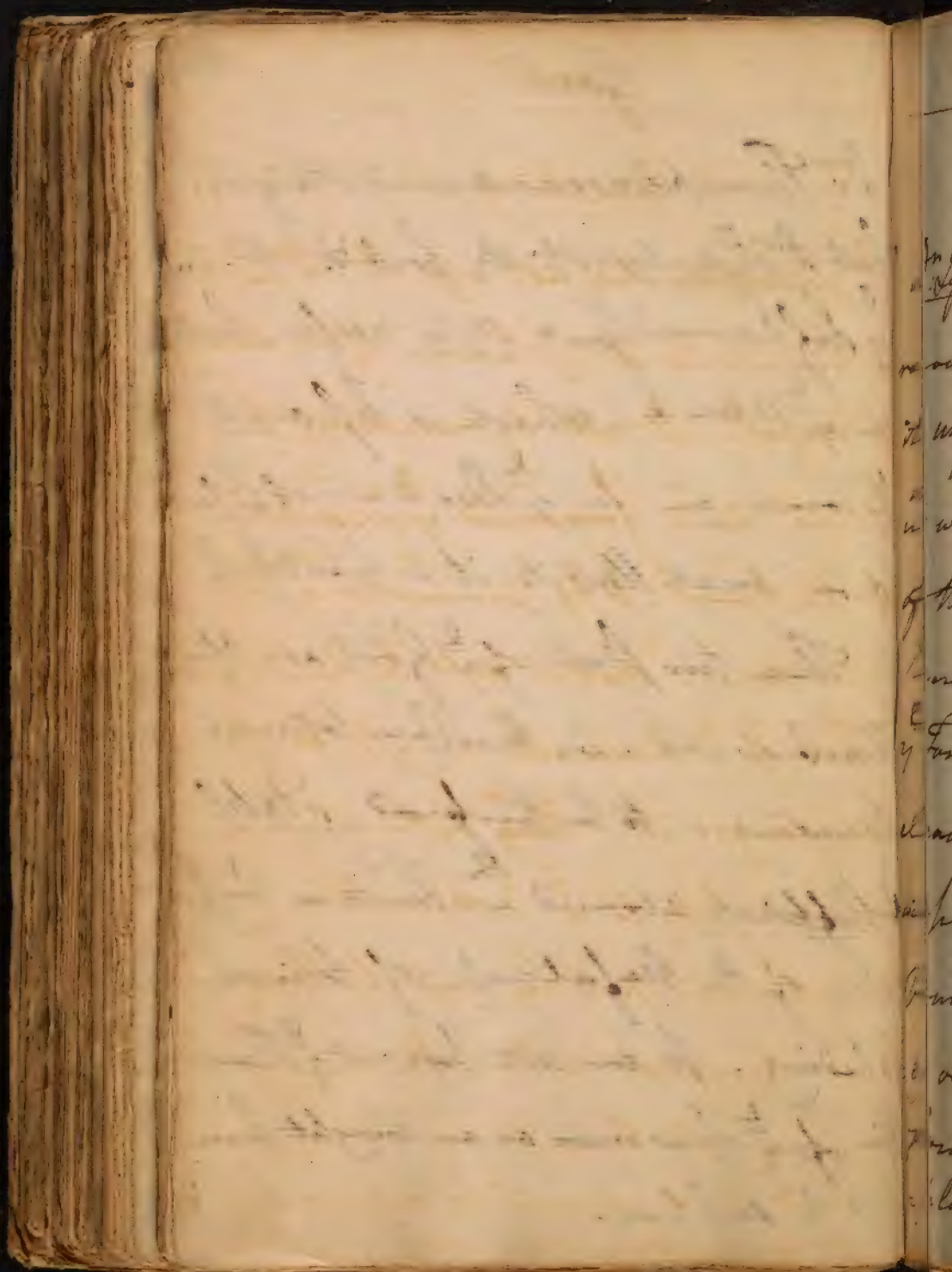
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Dr. Thompson recommends it highly, but Dr. Sydenham strictly forbids it. in  $\frac{c}{y}$  Inflamm<sup>n</sup>: Gout it is useful but in  $\frac{c}{y}$  Atonic, which is less acute & comes on in  $\frac{c}{y}$  Decline of life or in weak Habits it is hurtful.

These two states of  $\frac{c}{y}$  Gout are often Ambiguous. in these cases topical Bleeding is to be preferred. Stahl & Hoffman abound w. Facts in Confir-  
 mation of the Usefulness of topical Bleeding. It does not prevent  $\frac{c}{y}$  Reac-  
 tion of  $\frac{c}{y}$  Sensorium as we might be in-  
 duced to suppose.





vomiting.

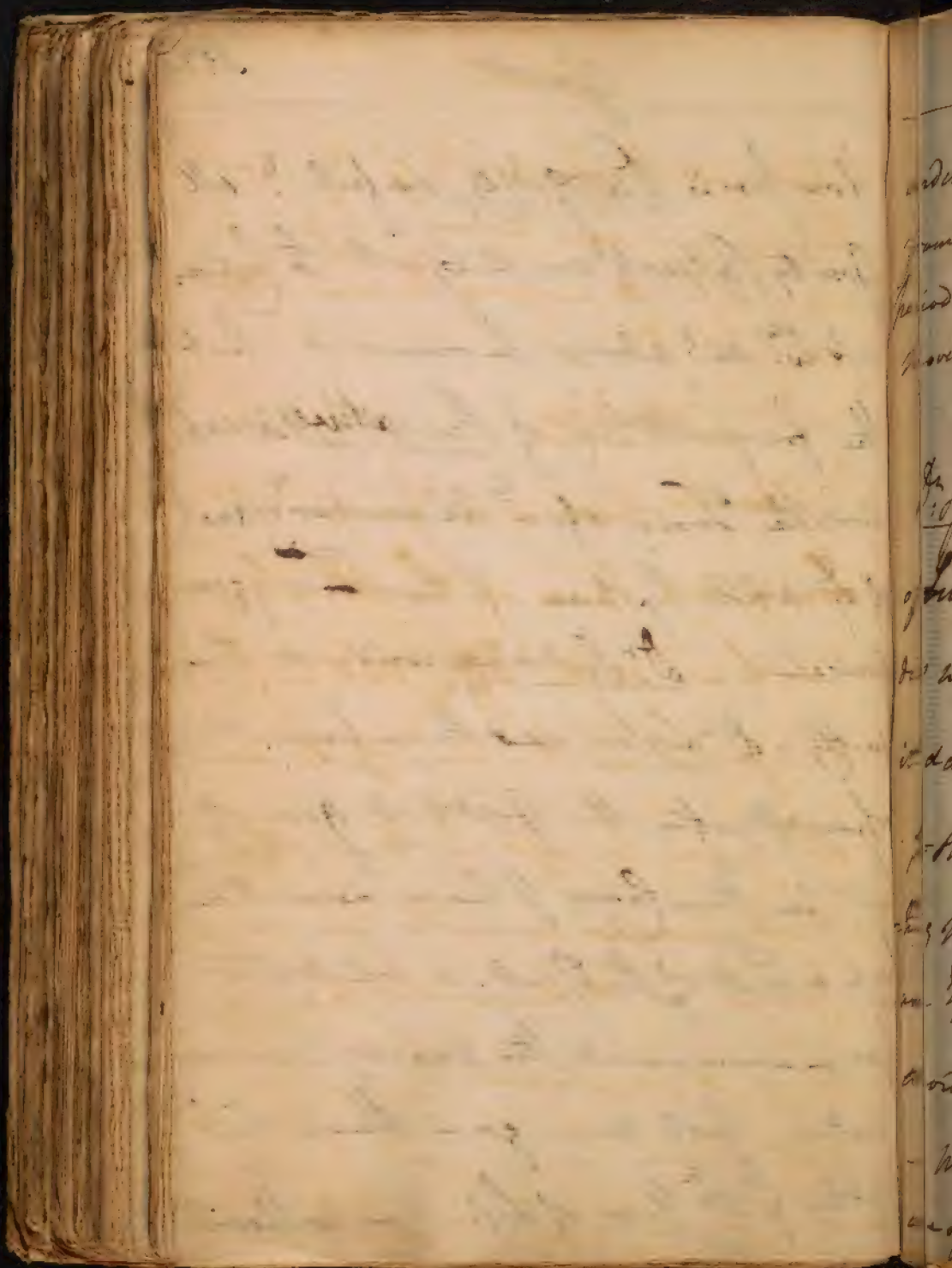
Dr Sydenham did not use it. Dr Rister  
recommends it. I have often seen  
it useful. It acts by removing acidity  
<sup>in</sup> we said favoured  $\frac{1}{2}$  of formation  
of the Gout, & by promoting its  
excretions. But it acts by supporting  
 $\frac{1}{2}$  of  $\frac{1}{2}$  of the stomach as well as by  
cleansing it. ~~that~~ <sup>it</sup> determines like-  
wise powerfully to  $\frac{1}{2}$  Excretion. But  
vomiting sh<sup>d</sup>? not be used too frequent-  
ly or we shall destroy the Tone of the  
Stomach, & thus induce more Com-  
plaints than we aim to relieve. -





How far is Purgings useful? all  
Gouty Patients are subject to Consti-  
pation <sup>ch</sup> w: sh? always be removed. But  
the frequent use of Purgatives weak-  
ens the Tone of  $\frac{1}{2}$  Alimentar<sup>y</sup> Canal  
of  $\frac{1}{2}$  whole System, & thus ~~do~~ <sup>does</sup> very great  
mischief. Dr. Sydenham condemns them  
justly. Dr. Lister used them frequently  
especially after the Gout had gone off,  
but in these Cases I have seen it bring  
back a Little of the Gout. a late writer  
has recommended the purging Mineral  
waters, but never gave them till  
after  $\frac{1}{2}$  50<sup>th</sup> Year of Life. You will easily





understand the propriety of this practice from <sup>n</sup> what we said before. before that period of life all purging Medicines must prove hurtful.

### Sweating

Dr. Sydenham speaks more favourably of Sweating than of the other Remedies we have spoke off. but he found it dangerous in the time of a Paroxysm. It sh<sup>d</sup>. never be used by Heat or heating Medicines, nor carried to too great an Excess. as it diminishes Perspiration according to Sanctorius' Observation. - Most of our Empirical Medicines are of  $\frac{1}{4}$  Sweating kind. & most of them



ca) 2/11: 1276

do mischief. Dr. Boerhaave gave them  
very freely. you may see  $\frac{2}{3}$  Medicines  
he used in his Treatise upon this  
Disease. <sup>(as)</sup> I have seen a gentle Ma:  
dor upon the skin continued for some  
time, do considerable Service. but the  
Relief obtained in this Manner is  
not very durable.

### Topical Applications.

These are of doubtful Use. many of  
them have been proposed. the chief  
of them <sup>are</sup> certain Antispasmodics  
particularly Opium & Camphor. I told  
you before the Consequence of using the



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Oil of Camphor. They are only pal:  
liative Remedies & often drive  $\frac{1}{2}$  Gout  
from One part to Another. Warm.

Bathing has been much used. by  
its Heat it produces a powerful  
Reaction but by relaxing  $\frac{1}{2}$  high:  
bouring feels it induces a more gene:  
ral letonia, & thus often throws the  
Gout upon some of  $\frac{1}{2}$  viscera. I have  
seen it Once bring on the Hypochon:  
driasis w: ended in a Mania w: has  
continued upon  $\frac{1}{2}$  unhappy Patient  
for these 20 Years. He has sometimes  
been relieved by Blistering. —



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Emollient Poultices of all kinds  
may have the same Effects. Flannel  
is the only safe Application I know.  
- perhaps Blisters may prove  
useful? the Moxa of  $\frac{1}{2}$  each  
Indies seems to operate in this  
way. I have seen Blisters give  
Relief, but I have likewise seen it  
attended w<sup>th</sup> bad Consequences. I once appli-  
ed one to  $\frac{1}{2}$  Hip of a Gentleman who  
laboured under  $\frac{1}{2}$  Gout, but it drove it  
immediately to his stomach where it brot  
on a violent Vomiting w<sup>ch</sup> did not cease  
till  $\frac{1}{2}$  Gout was brot back again to his Hip.



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upon  $\frac{2}{3}$  whole I think Blister as  
as beneficial as the warm Bathing.

To conclude I sum up all I have  
said in saying that Labour & Low:

Diet under  $\frac{2}{3}$  Restrictions we menti-  
oned are  $\frac{2}{3}$  only radical cures we know.

- The Disease may be rendered less  
violent by gentle vomits & lax-  
atives by Alkalies & Absorbents by gentle  
Exercise - & by Abstinence Intemperance  
of all kinds - Drinking & the like

~~The Disease of Gout is the same~~

When the Gout comes on or during  
a Trill of it we must use a moderate



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tho' not a low Diet. a small Quantity of Amin: Food must be indulged but Spiritu: Liqueur should be avoided.

we must endeavour to Abolish the Return of Atonia by moderate Exercise - frequent vomiting (Once a month & not more) by removing the Effects of Indigestion by Opening the Bowels, & by giving Lime water or Soap. Lees. But these should be confined to the Spring & Fall chiefly.

by avoiding the evident Causes of Atonia such as excess of venery. I dont think too early a use of venery brings on y<sup>e</sup> Gout. For y<sup>e</sup> same Cause <sup>tho</sup> disposes to the Gout <sup>also</sup> disposes to venery. but keeps



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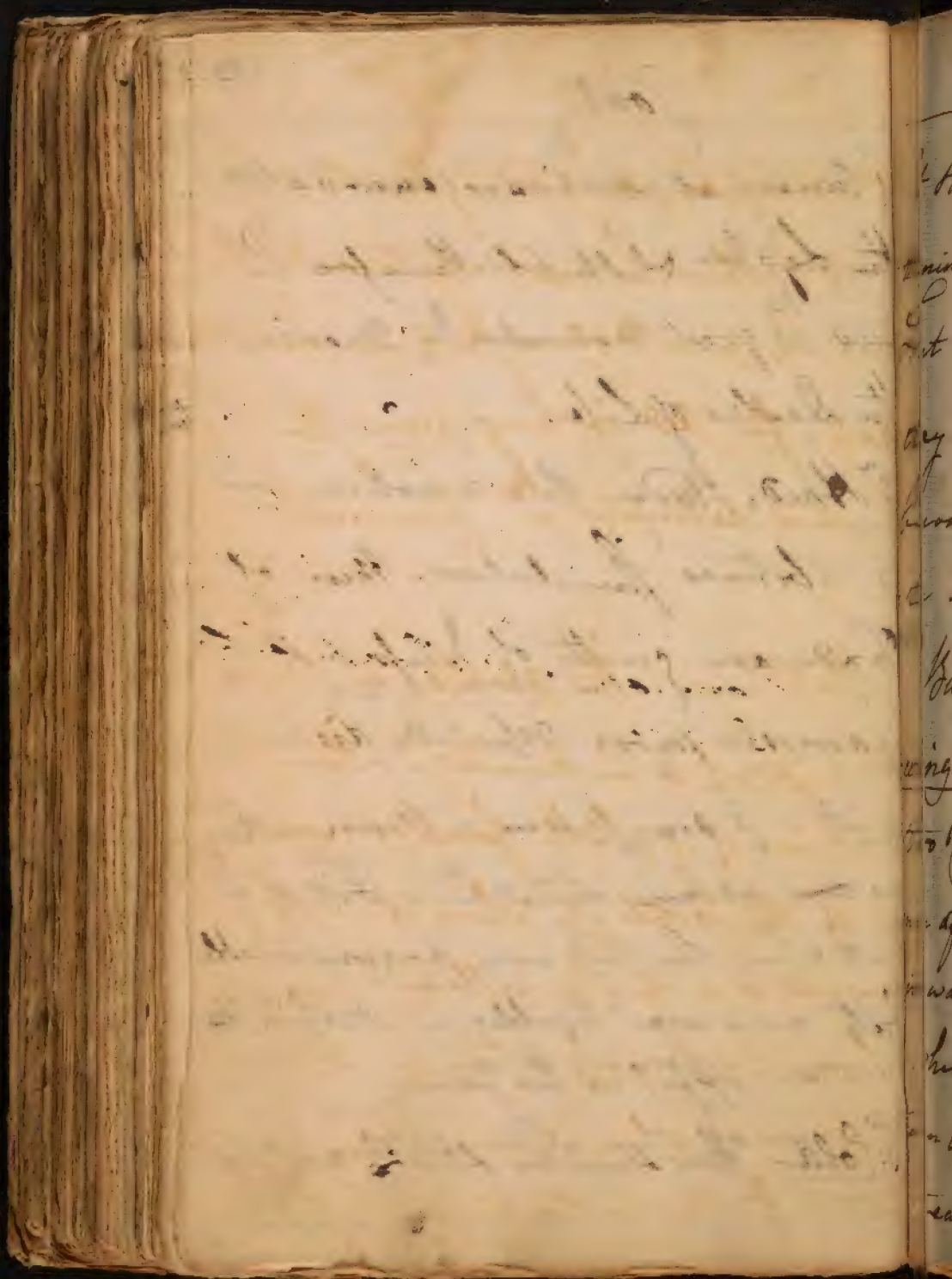
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of Mercury at all times enervates  
the System & should therefore be  
used w<sup>th</sup> great Moderation by Man in  
the Decline of Life.

2<sup>d</sup> Hard Study. This is not confined  
to Abstract Speculations. Men of  
Trade are guilty of Excess in it.  
Gamblers more especially <sup>are</sup> disposed  
to it. I once knew a man who  
was ~~was~~ always seized w<sup>th</sup> a Fit of  $\frac{1}{4}$ .  
Gout when he lost any thing considerable,  
but never was troubled w<sup>th</sup> it while he  
was successful in his Games.

3<sup>d</sup> Cold. This should be strictly avoided





& should be guarded against. a De:  
tention: should be kept up towards the  
Foot by new & clean stockings every  
day. for old or long worn stockings  
become saturated w: perspirable Mat:  
ter.

But how is the Atonic or Petro:  
eding Gout to be treated? there are  
two Cases of it both founded on Ato:  
nia of the joints. 1. where it is thrown  
inwards & is of the Inflam: kind (2:  
where it is purely atonic. The 1<sup>st</sup> Sel:  
dom occurs. when it does it must be  
treated w: the Antiphlogistic Regimen.



the first of the year. The  
second of the year. The  
third of the year. The  
fourth of the year. The  
fifth of the year. The  
sixth of the year. The  
seventh of the year. The  
eighth of the year. The  
ninth of the year. The  
tenth of the year. The  
eleventh of the year. The  
twelfth of the year. The

thirteenth of the year. The  
fourteenth of the year. The  
fifteenth of the year. The  
sixteenth of the year. The  
seventeenth of the year. The  
eighteenth of the year. The  
nineteenth of the year. The  
twentieth of the year. The  
twenty-first of the year. The  
twenty-second of the year. The  
twenty-third of the year. The  
twenty-fourth of the year. The  
twenty-fifth of the year. The  
twenty-sixth of the year. The  
twenty-seventh of the year. The  
twenty-eighth of the year. The  
twenty-ninth of the year. The  
thirtieth of the year. The

The 2<sup>nd</sup> is more common & much more difficult of cure. The Indication here is to restore the tone of <sup>the</sup>  $\frac{L}{L}$  system. But we are provided w: no Remedies for this purpose. The Rubefacients are generally used, but w: very little success. Frequent Bathing has proved useful in these cases. The Bath waters operate in this way by their warmth & tonic powers. When  $\frac{L}{L}$  Gout is seated in  $\frac{L}{L}$  Stomach stimulents & Opium are indicated such as Spirits in considerable Quantities, provided no Inflamm<sup>n</sup>. Diathesis attends, & nothing but



*[The page contains faint, illegible handwriting, likely bleed-through from the reverse side.]*

a simple Atonia. They sh<sup>d</sup>. be propor-  
tioned to the Constitution of y<sup>e</sup> Patient  
& the nature of the Disease. if they  
do not intoxicate they <sup>may</sup> be given to  
 $\frac{1}{7}$  Quantity of a Quart. we always  
know when em<sup>s</sup> is taken from y<sup>e</sup> begin-  
ning Intoxication. they act as Narcotics.

Opiates are found useful in this Case  
of Gout. how do they operate? by  
removing the spasms induced by y<sup>e</sup> Atonia.

Volatile Alkalies have likewise been  
used w<sup>th</sup> success. but they should be given  
in large Doses. I have given  $\mathcal{Z}$  of them  
at a time w<sup>th</sup> great Advantage.



The first of these is the  
 fact that the human mind  
 is not a tabula rasa. It  
 is filled with ideas and  
 impressions from the  
 world around it. These  
 ideas and impressions  
 are the raw material  
 of thought. The mind  
 then processes these  
 ideas and impressions  
 and forms them into  
 concepts and judgments.  
 This process is called  
 reasoning. Reasoning  
 is the process of  
 drawing conclusions  
 from premises. It is  
 the process of  
 thinking about  
 things in a logical  
 and systematic way.  
 Reasoning is the  
 foundation of all  
 knowledge. It is the  
 process by which we  
 learn about the world  
 and ourselves. It is  
 the process by which  
 we make decisions  
 and solve problems.  
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 Reasoning is the  
 foundation of all  
 knowledge. It is the  
 process by which we  
 learn about the world  
 and ourselves. It is  
 the process by which  
 we make decisions  
 and solve problems.

they are strong & sedative virtues.

Campbor is often given w<sup>th</sup> Advantage  
while the Gout is seated in <sup>the</sup> stomach.

- I am too late to tell how it acts.
- I have often ordered it w<sup>th</sup> Opium  
joined w<sup>th</sup> volatile Alkali. It sh<sup>d</sup>.  
be given in larger Doses <sup>than</sup> ordinary.

What must we do when <sup>the</sup> Gout  
is fixed in <sup>the</sup> Head-Lungs or Bowels?  
all the Remedies we have shoke off in <sup>the</sup> Gout  
of the stomach are not proper here.  
Opium is the chief Remedy to be depended  
on. But I don't know to w<sup>th</sup> Dose. nor  
have I used it much in these Cases.



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*

# Gout

394

Blisters have been applied near  $\frac{2}{y}$  place  
where the Gout is seated but I can't  
say w<sup>th</sup> any great Advantage upon  $\frac{2}{y}$  whole  
I know of no regular practice establi-  
shed in these Cases.

But there is a Another species of  
Gout hard to be distinguished depending  
upon an Atavia of  $\frac{2}{y}$  System. it  
is known by a Melancholly & by ~~by~~  
affecting Persons Subject to Gouty Com-  
plaints. in this Case we must have  
Rheumets Chalybeates Corrobrants  
Mineral Water, & all such medicines  
as act on  $\frac{2}{y}$  stomach. This finishes



190

*[Faint, illegible handwriting]*

Good

395

all I had to say Upon the Gout.  
- I have one more Treat however  
to lay before you <sup>th</sup>: I heard last night  
from Mr John Pringle. the great  
Dr. Hervey had no sooner published his  
A<sup>n</sup>: of the Circulation of the Blood than  
an general outcry was raised against  
him, & he lost all his business. Such is  
the State of many who labour for the  
~~Publ~~ public Good! - I hope however  
this will not be my case. I rely upon  
my Pupils to support my Reputation  
in the Doctrines I have been advan-  
cing, & trust you will not find <sup>m</sup>  
entirely destitute of Foundation.



I have been thinking of you  
 very much lately and wondering  
 how you are getting on. I hope  
 you are well and happy. I am  
 feeling better now than I have  
 for some time. I am still  
 a little weak but I am  
 getting on my feet. I am  
 very glad to hear from you  
 and hope you are all the same.  
 I am sure you are. I am  
 very much obliged to you for  
 the letter. I am sure it  
 will be of great use to me.  
 I am sure you are all the same.  
 I am sure you are. I am  
 very much obliged to you for  
 the letter. I am sure it  
 will be of great use to me.

108  
 I have been thinking of you  
 very much lately and wondering  
 how you are getting on. I hope  
 you are well and happy. I am  
 feeling better now than I have  
 for some time. I am still  
 a little weak but I am  
 getting on my feet. I am  
 very glad to hear from you  
 and hope you are all the same.  
 I am sure you are. I am  
 very much obliged to you for  
 the letter. I am sure it  
 will be of great use to me.

I have given you the Character of  
this Order in my Syllabus. I call  
it Phlegmonia distinguish it from  $\gamma^{\text{e}}$   
various Efflorescences of  $\gamma^{\text{e}}$  Skin w:<sup>ch</sup> are  
not of the Inflam.<sup>t</sup> kind such as  
the Purpurat Ptechia of Larva  
w:<sup>ch</sup> are simple Effusions. I call  
them "post Febrim" to distinguish them  
from  $\gamma^{\text{e}}$  simple Phlegmonia inasmuch  
as they are  $\gamma^{\text{e}}$  consequence of Fever only.  
- They are further distinguished by depend-  
-ing on contagious matter introduced  
into the Body w:<sup>ch</sup> by uniting <sup>the</sup>  $\gamma^{\text{e}}$  herpetic  
matter is determined towards  $\gamma^{\text{e}}$  Skin where



10

1892

*[Faint, illegible handwriting throughout the page]*

it is deposited so as to excite topical  
Inflammation. they sometimes produce  
Pustules <sup>wh</sup> are disposed to <sup>c</sup> suppurate.  
or supuration. At other times  
they terminate in white headed  
pustules & 3<sup>rd</sup> in red spots <sup>wh</sup> <sup>c</sup>  
and in Desquamation such as <sup>c</sup> measles  
& Scarlatina. they have all this is  
common <sup>c</sup> is <sup>c</sup> Eruption is spread  
all over <sup>c</sup> Body. but there is a <sup>kind</sup> <sup>c</sup> ~~spot~~  
<sup>wh</sup> <sup>c</sup> is confined to particular parts of  
the Body such as <sup>c</sup> Erysipelas &  
Anthrax. these are <sup>c</sup> principal <sup>c</sup> Genera  
of Eryanthemata. there may be others.



25

*[Faint, illegible handwriting on aged paper, likely bleed-through from the reverse side.]*

Each of them we have spoke of have  
different Causes w<sup>th</sup> you may read  
in practical writers. I shall only  
observe that they are much con-  
nected w<sup>th</sup> the Mucous Glands of <sup>the</sup> throat,  
w<sup>th</sup> characterise them above all things.  
- They are further distinguished by the  
Fever attending the eruption only or  
continuing afterwards. The Fever like-  
wise is different being either Inflam<sup>d</sup>  
nervous or putrid.

There are eruptions in Fevers w<sup>th</sup> don't  
depend on Contagion but depend on  
particular stages of Fevers & may arise in



*[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]*

any Persons certain circumstances  
being given. many Persons are sub-  
ject to them in  $\frac{1}{2}$  time of sweating  
or from sweating too long. or they  
may happen from Contagion <sup>or</sup> the  
sweating Regimen or a particular  
structure of the skin may bring on them  
Females are more subject to miliaria  
eruptions than Males & young Persons  
more than Old. I've known cases therefore  
where Contagion is introduced their being  
erythematosa may depend upon the  
nature of  $\frac{1}{2}$  skin or other Circumstances.  
They are distinguished from those I have



*[Faint, illegible handwriting on aged paper, likely bleed-through from the reverse side.]*

Eanthemata <sup>ch</sup> w. depend upon Specific  
 Contagious 1<sup>st</sup>: By those w<sup>ch</sup> depending  
 on Specific Contagious being steady  
 in their <sup>Eruption</sup> Effects, & in having a regular  
 Course of Maturation & Desquamation.  
 - in the Others no such Uniformity  
 of Eruption or Continuance is Observed.  
 - the 1<sup>st</sup> are the only Idiopathic Ean-  
 themata. the 2<sup>nd</sup> are simply Exoscutum  
 Eanthematia. But the most important  
 Distinction is taken from the 1<sup>st</sup>: Affec-  
 ting Persons but Once in their Lives. the  
 Plague may be an Eruption to this when<sup>e</sup>  
 Contagium producing it is not precisely



The first part of the book is devoted to a general  
survey of the history of the human mind  
from its earliest origin to the present time  
and to the various stages of its development  
and progress. The second part is devoted to  
a detailed account of the various sciences  
and arts which have been discovered and  
invented by the human mind, and to the  
manner in which they have been discovered  
and invented. The third part is devoted to  
a description of the various systems of  
philosophy and religion which have been  
taught and practiced by the human mind,  
and to the manner in which they have been  
taught and practiced. The fourth part is  
devoted to a description of the various  
systems of government and society which  
have been established by the human mind,  
and to the manner in which they have been  
established. The fifth part is devoted to  
a description of the various systems of  
morality and ethics which have been  
taught and practiced by the human mind,  
and to the manner in which they have been  
taught and practiced. The sixth part is  
devoted to a description of the various  
systems of law and justice which have been  
established by the human mind, and to the  
manner in which they have been established.

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Specific. But further the Idiopathic  
Eanthemata are contagious &  
therefore Epidemic. The Others are  
~~Specific~~ <sup>Sporadic</sup> Such as y  $\frac{1}{2}$  Dissepals <sup>is</sup>  
is neither Epidemic nor contagious.

I own this does not afford an universal  
Distinction. For y Matter producing  
Eanthemata may be discharged by  
insensible Perspiration. This I believe is  
the Case in the Plague. When y Eruption  
then does occur it must be considered  
as owing to a more powerful Ferment  
or more abundant Matter. I own de-  
:ding on Morbific Matter show themselves



1. The first part of the paper is a  
 list of the names of the persons  
 who have been elected to the  
 office of the President of the  
 United States, and the names of  
 the persons who have been  
 elected to the office of Vice  
 President. The names of the  
 persons who have been elected to  
 the office of President are  
 George Washington, John Adams,  
 Thomas Jefferson, James  
 Madison, James Monroe, John  
 Quincy Adams, Andrew Jackson,  
 Martin Van Buren, William  
 Henry Harrison, John Tyler,  
 Zachary Taylor, Franklin  
 Pierce, James Buchanan,  
 Abraham Lincoln, Andrew  
 Johnson, Ulysses S. Grant,  
 Rutherford B. Hayes, James  
 Garfield, Chester A. Arthur,  
 Grover Cleveland, Benjamin  
 Harrison, William McKinley,  
 Theodore Roosevelt, Woodrow  
 Wilson, Warren G. Harding,  
 Calvin Coolidge, Herbert Hoover,  
 Franklin D. Roosevelt, Dwight  
 D. Eisenhower, John F. Kennedy,  
 Lyndon B. Johnson, Richard  
 M. Nixon, Gerald R. Ford,  
 Jimmy Carter, Ronald Reagan,  
 George H. W. Bush, Bill Clinton,  
 George W. Bush, Barack Obama,  
 Donald Trump.

<sup>1</sup> by Eruptions on  $\frac{2}{y}$  Skin  
<sup>2</sup> by Determination to  $\frac{2}{y}$  Mucous Glands  
 of the Lances or Intestines.  
<sup>3</sup> by Depositions on  $\frac{2}{y}$  Lymphatic  
 Glands. The most violent Con-  
 tagions are deposited in the last. the  
 next in Degree is determined to  $\frac{2}{y}$  Mucous  
 Glands especially of  $\frac{2}{y}$  Throat.  $\frac{2}{y}$  most  
 mild & safe kind of Eanthemata is  
 when the Determination is to  $\frac{2}{y}$  Skin,  
 provided they are of a benign Nature.

I formerly excluded from  $\frac{2}{y}$  Eanthemata  
 Effusions, <sup>the</sup> without Inflammation.

<sup>2</sup> Shall we say of  $\frac{2}{y}$  Purpura &  
 Petechiae? in the last Case there is



*[The text in this block is extremely faint and illegible, appearing to be a list or a series of entries.]*

an Effusion of blood. in Other Cases  
an Effusion of <sup>yellow</sup> Serum. I can say  
nothing positive upon this subject.

What shall we say of the Aphthae? to  
what Genus do they belong? I cannot  
tell, but must refer you to Dr.  
Boerhaave & Other practical  
writers. —



*[Faint, mostly illegible handwritten text in a cursive script, likely from the 18th or 19th century. The text is written in dark ink on aged, slightly discolored paper.]*

*[Faint, mostly illegible handwritten text visible on the right edge of the page, continuing from the adjacent page.]*

I shall not take up my time in giving you <sup>2</sup> a history of this Disease. I shall confine myself to those Observations only w<sup>h</sup> have an immediate Connection <sup>th</sup> w<sup>th</sup> Practice.

<sup>1</sup> I know of no Disease w<sup>h</sup> depends more evidently upon Specific Contagion than this. it is of a determined kind. It is not so liable to be combined <sup>th</sup> w<sup>th</sup> Septic or Sedative powers as <sup>2</sup> other Contagious we have spoke of. It is precise in its Operations. we often see it taken from <sup>2</sup> milder pox produced a virulent Septic Contagion



1875

I have the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the above matter. I am sorry to hear that you are not satisfied with the result of the investigation. I have been unable to obtain any further information from the authorities in this regard. I am, however, sure that the same will be given to you as soon as it is available. I am, Sir, very respectfully,  
 Yours,  
 J. M. Smith

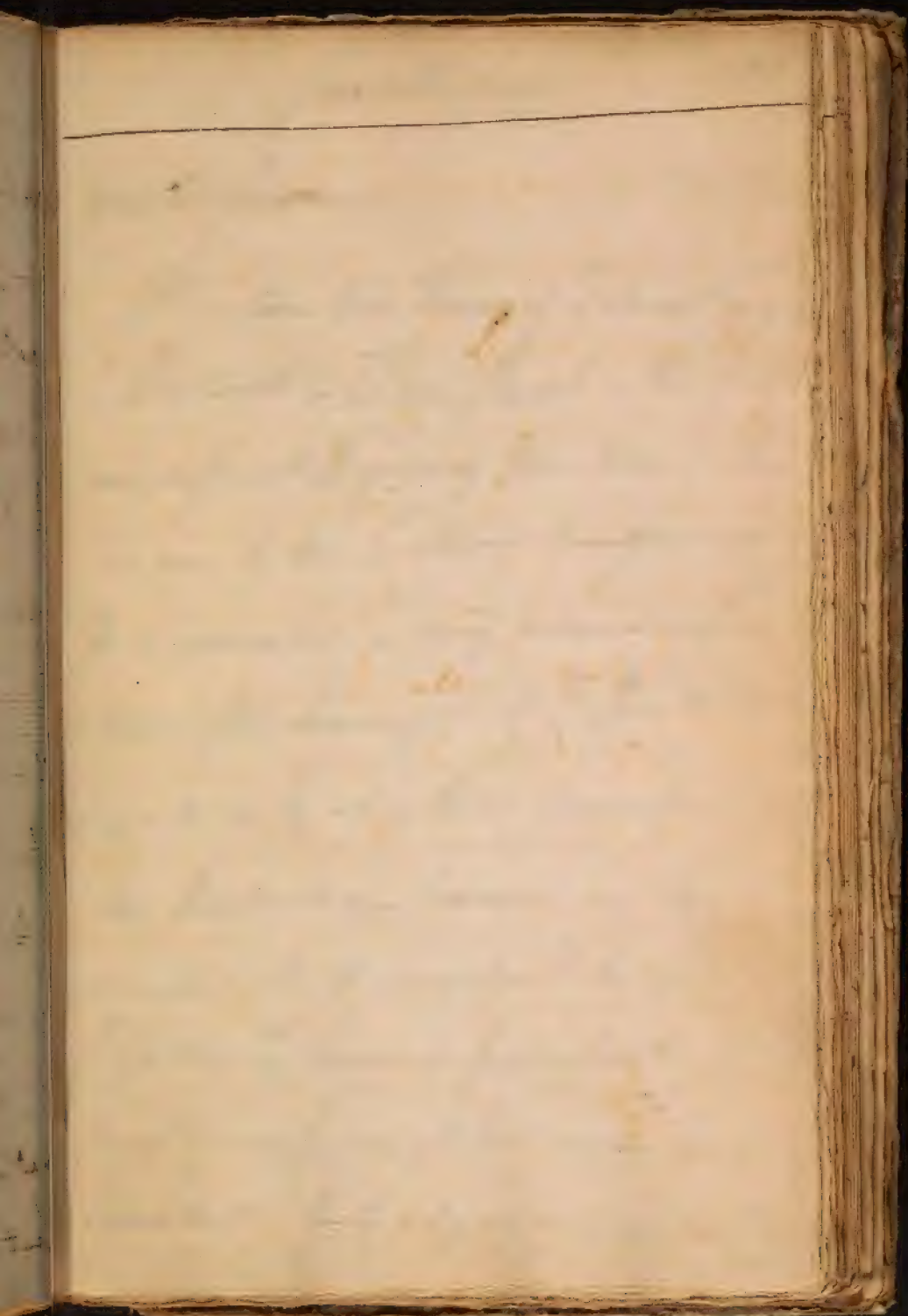
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~~Leave the matter small pox~~ <sup>405</sup>

we likewise <sup>see</sup> ~~see~~ y most violent Contagion produce the violent Disease in another Body. the Disease then depends more upon the Constitution & the Treatment of the Disease than upon any Variety in y<sup>e</sup> nature of the Contagion, & all y<sup>e</sup> modification of it is received in the Body of y<sup>e</sup> Person affected. I doubt much whether it is influenced by Heat or Cold. our Bodies are easily affected by Persecutions in summer y<sup>e</sup> winter, but y<sup>e</sup> Contagion is not exalted by it. I have seen y<sup>e</sup> most putrid small-pox produced in the



*[Faint, illegible handwriting throughout the page]*





*[Faint, illegible handwriting in cursive script, likely a list or account.]*

*[Faint, illegible handwriting in cursive script, likely a list or account.]*

winter season.

There are two forms of  $\frac{2}{y}$  Small-pox:  
 1<sup>st</sup> Distinct & 2<sup>nd</sup> Confluent. the rest  
 are different degrees of these two. the  
 1<sup>st</sup> is rarely the 2<sup>nd</sup> always dangerous.  
 It is attended w: very numerous Pus-  
 :cles. the Danger of  $\frac{2}{y}$  Distinct  
 depends only upon their number.

The Distinct are known by being  
 circumscribed & irregular & by having  
 Effusions w: become purulent.  $\frac{2}{y}$   
 matter in  $\frac{2}{y}$  Confluent never becomes  
 purulent, but always remains watery.



Handwritten title or header at the top of the page.

Main body of handwritten text, appearing to be a letter or a journal entry, written in cursive script. The text is mostly illegible due to fading and bleed-through from the reverse side.

Fragment of handwritten text visible on the right edge of the page, likely from the adjacent page.

But there is a Degree between these two.

- But further in  $\frac{2}{y}$  confluent small  
 pox the Fever continues. While  
 in  $\frac{2}{y}$  distinct is gone entirely off. the  
 Fever in  $\frac{2}{y}$  1<sup>st</sup> Case depends upon topi-  
 cal Irritation & hence is proportioned  
 to  $\frac{2}{y}$  Number of Pustules. whose  
 $\frac{2}{y}$  word Irritation rather than Inflam-  
 mation because Inflam<sup>n</sup> is looked  
 upon as a good Symptom & always oc-  
 curs in  $\frac{2}{y}$  distinct small pox.  $\frac{2}{y}$  Irritation  
 in  $\frac{2}{y}$  confluent small pox depends upon  
 $\frac{2}{y}$  Nature of  $\frac{2}{y}$  Effusion w<sup>ch</sup> may be  
 more curid & not disposed to produce



10

*[Faint, illegible handwriting throughout the page]*

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<sup>1</sup> of Suppurative Effusion. But w<sup>h</sup> is the  
 Cause of this? - it may depend  
 upon a great Quantity of <sup>2</sup> Specific  
 Contagion passing off by insensible  
 perspiration & not stagnating und  
<sup>3</sup> of Cuticle. w<sup>h</sup> Circumstances favouring  
 this stagnation & influence y<sup>e</sup> formation  
 of more or fewer Pustules? 1<sup>st</sup> the  
 Obstruction of Perspiration. Pustules  
 we find always abound most around  
 Plasters. This Inoculation proves  
 sufficiently. The Suttonians have con-  
 sidered a way of bring<sup>g</sup> pox to any part



*[The text in this block is extremely faint and illegible, appearing as a series of horizontal lines.]*

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they please, & in any form they please by  $\frac{1}{2}$  size of their plasters.

- Children always have most mark upon  $\frac{1}{2}$  Cheek on w: they lie most.

Dr. Sydenham observes <sup>th</sup> Facts in rejecting the warm Regimen <sup>th</sup> w: tend to confirm this Observation. De Glaze found all heating Medicines or Regimen render  $\frac{1}{2}$  small-pox confluent if given while the Fever was high. - he never gave his sweating Medicines till  $\frac{1}{2}$  Fever began to abate.

The confluent Small-pox is always proportioned to  $\frac{1}{2}$  Inflamm: & Diathesis



see also his Acc. of  $\frac{1}{2}$  Diseases of  
1730 " hoc tempore, adantis viribus  
" preparari incipiebant morbi Inflam:  
" matorii iique qui variolis correpti  
sunt in Pijus rubeant, & majorem  
mortis severitatem quam antea  
sustinebant." - p. 156

" phil. vernali

# small pox

410

of the system. Dr. Wiertringham says  
 he always found it correspond<sup>ed</sup> w<sup>th</sup>  
<sup>the</sup> Frequency & violence of other Inflamm.  
 mat<sup>r</sup>: Diseases y<sup>e</sup> prevail at y<sup>e</sup> time &  
 see his An<sup>n</sup> of <sup>the</sup> year 1837 - in his  
 Treatise upon Epidemics. I have  
 often seen the worse kind of small  
 pox affect those who have been  
 much exposed to Cold - Intemperance  
 Exercise & venery. They all act  
 by increasing the Inflamm<sup>at</sup>: state.  
 I conclude from all this y<sup>e</sup> the confluent  
 small pox depends more upon y<sup>e</sup> Cont<sup>ag</sup>:  
 - tion it affects than upon a greater  
 Septic Quantity in y<sup>e</sup> Contagium.



10

*James M. Smith*

*[The page contains faint, illegible handwriting.]*

Dear  
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But w<sup>h</sup> shall we say to  $\gamma^c$  Face?  
 being so much  $\gamma^c$  Seat of  $\gamma^c$  small  
 pox<sup>m</sup>. no other eruption appear  
 there. It must be owing to a parti-  
 cular condition of the skin in  $\gamma^c$  Face.  
 - There seems to be a Determination  
 of  $\gamma^c$  various Matter to it. we cannot  
 say w<sup>h</sup> this Condition of the skin is: nor  
 is it of any Importance to enquire.

### Method of Cure

I shall<sup>m</sup> speak of Inoculation. I  
 shall say nothing of  $\gamma^c$  propriety or  
 Usefulness of this Operation. Experience  
 speaks sufficiently in its Favour. not  
 above 1 out of a 1000 are lost in it.



*[Faint, illegible handwriting]*

<sup>2</sup>  
 w: give Inoculation these great ad-  
 vantages? - little depends upon the  
 Choice of matter for as we before hinted.  
 - nor do any advantages <sup>arise</sup> from <sup>the</sup>  $\frac{2}{1}$   
 small Quantity of matter introduced  
 in Inoculation. This Experience has  
 often taught us. still less depends  
 upon  $\frac{1}{2}$  Nature or Age of  $\frac{2}{1}$  matter  
 employed or  $\frac{2}{1}$  manner of performing  
 the Operation. w: Advantages then has  
 Inoculation? 1: we can choose  $\frac{2}{1}$   
 Age of our Patient. full grown  
 Subjects are most liable to inflam-  
 matory Diseases. Children <sup>are</sup> less so. too



12

My dear Mother

I have just received your letter of the 10th inst. and am very glad to hear from you. I am well and hope these few lines will find you the same. I have not much news to write at present. I am still in the same place and doing the same work. I have not much time to spare for writing at present. I have just received your letter of the 10th inst. and am very glad to hear from you. I am well and hope these few lines will find you the same. I have not much news to write at present. I am still in the same place and doing the same work. I have not much time to spare for writing at present.

much stress has been laid upon the  
advantage our late Inoculators  
perform on all subjects indiscrimi-  
nately without any regard to Age. People  
about the Acme are most disposed  
to Inflam<sup>d</sup> Diseases & generally have  
the small pox worst. I do not think  
Infants favourable for<sup>e</sup> small pox upon  
the Pres<sup>u</sup> of their being so subject to  
Fitts. the Juttomians never inoculate  
any under 2 years of Age. I don't find  
that Teething during Infancy has  
any Influence in making them  
more subject to Fitts. Sucking Child-  
ren are often in greatest Danger



*[Faint, illegible handwritten text in cursive script, likely a letter or journal entry.]*

*[Faint, illegible handwritten text visible on the right edge of the page, possibly from the reverse side or an adjacent page.]*

from their noses being obstructed by  
Pock<sup>ts</sup> w: prevents their flushing entirely.  
Persons to wh<sup>o</sup>? always be apprised of this  
before we inoculate their children  
<sup>and</sup> a <sup>not</sup> <sup>the</sup> <sup>Advantage</sup> is the Choice of  
Season. I would advise to avoid the  
cold weather, and the extreme Heat  
of Summer. the Spring & Autumns are  
the best Seasons for Inoculation. Sutton  
indeed chooses the Summer Months. Infla-  
mat<sup>y</sup> Diseases are <sup>as</sup> frequent in Sum<sup>mer</sup>  
than Winter. this joined w<sup>th</sup> his cool  
Regimen may render his Practice  
safe especially in Britain where <sup>our</sup> ~~and~~  
Summers are seldom very warm.

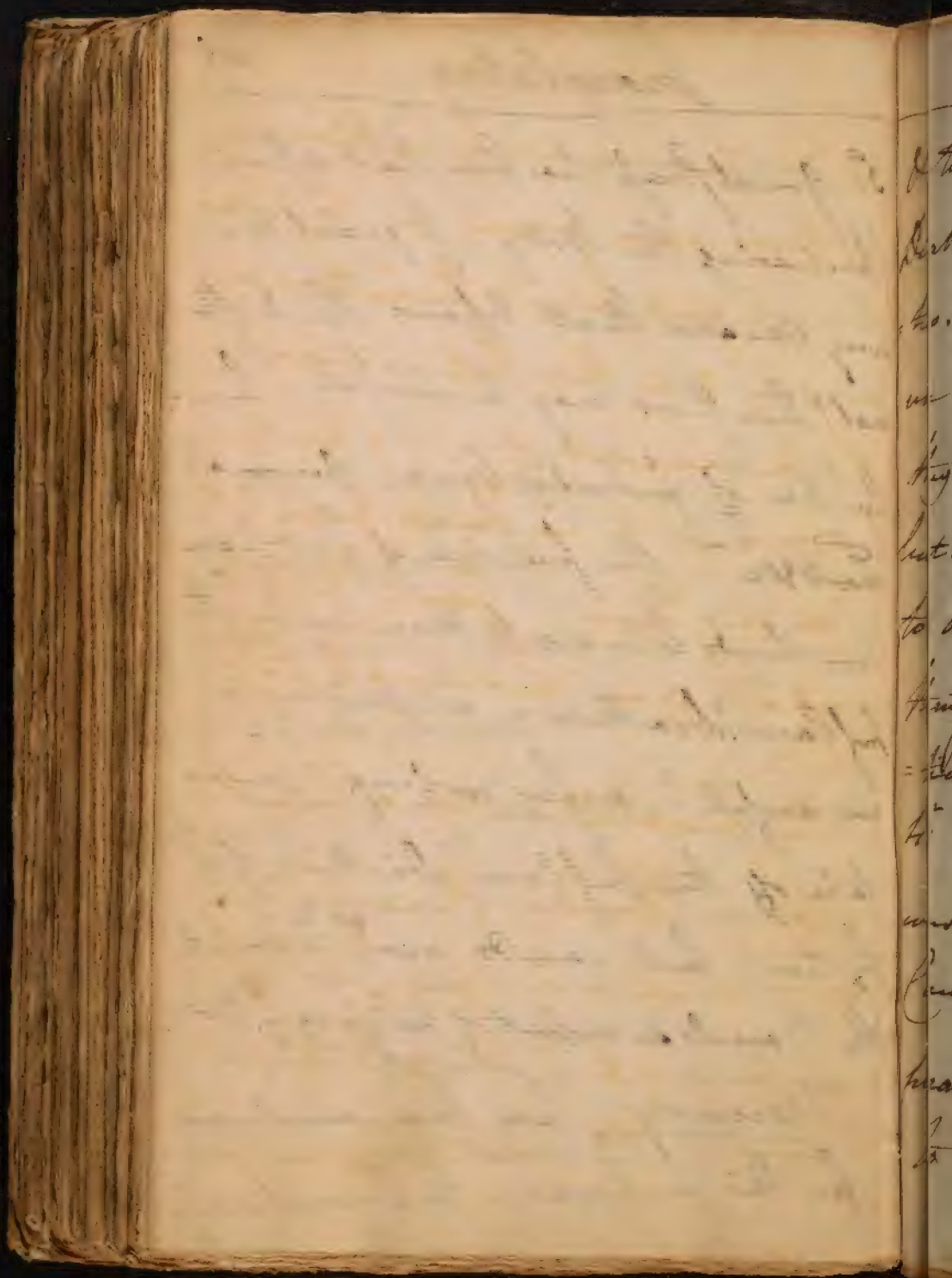


(a) the chief Reason why the  
Gentian Nation in <sup>the</sup> East-Indies  
have <sup>the</sup> Small pox so favour-  
able by Inoculation is owing to  
their living entirely upon vegetable  
Food.

3<sup>d</sup> Great stress has been laid upon  
preparing the Body. I grant that  
every measure that lessens the Inflam-  
mat<sup>y</sup> Diathesis may be useful. Hence  
the use of forbidding wine - Animal  
Food &c. the free use of  $\gamma^2$  & then  
the use likewise to diminish the  
Inflam<sup>y</sup> Diathesis. w: Medicines  
are useful? a few cooling purges  
take off the Inflam<sup>y</sup> Diathesis of  $\gamma^2$   
System, but can do more  $\gamma^2$  empty  
the Bowels in respect of purifying  $\gamma^2$  Body.

Mercury has been much used  
for this purpose. It is very stimula<sup>y</sup>.





& tends to increase of Inflamm.  
Diathesis when given in large quan-  
ties. - I don't believe the Luttonians  
use any & in their Preparations.

They are accused of using Antimony  
but it must be in <sup>too</sup> small quantities  
to do any service. I don't think any  
thing depends on medicinal Prepa-  
rations.

4. The greatest Advantage of Inoculation  
consists in avoiding Occasional  
Causes such as Fatigue Cold-Inter-  
mittent fever &  $\frac{2}{3}$  like. These tend  
to render the small-pox malignant,



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## Inoculation

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4 Persons inoculated always we know avoid them.

5<sup>th</sup> we can choose Persons in Health as the subjects for Inoculation. too much has been said in Favour of this Advantage. I have <sup>seen</sup> many People <sup>the</sup> with eruptions on their skin cured w<sup>th</sup> the small pox & yet have had it more favourable than Others.

6<sup>th</sup> The great Advantage of Inoculation as practiced at present consists in the Management of it. This sh<sup>d</sup> consist 1<sup>st</sup> in our Patient living on a more spare Diet than Ordinary & a strict



(a) Antimony & Mercury may be  
very useful about y<sup>e</sup> time of the  
eruptive fever to remove y<sup>e</sup> Inflam<sup>n</sup>.  
Spasm. —

Attention to  $\frac{2}{y}$  non-naturals, esp.  
cially in Dieting & in Intemperance  
of all kinds.

2.<sup>nd</sup> by avoiding Irritation in  $\frac{2}{y}$  prima  
ria. gentle purges & vomits sh<sup>d</sup>.  
therefore be given occasionally. Drops  
in Vaccinations are hurtful as well as in  
the low Diet. After the Operation is  
performed the same Treatment Regimen  
sh<sup>d</sup>. be continued R.

3.<sup>rd</sup> Cold Regimen sh<sup>d</sup>. be used After the  
Operation is performed.  $\frac{2}{y}$  Boackwires  
use the cold Bath. here it w<sup>d</sup>. not do.  
it appears to act by Obviating the <sup>brile</sup> per  
thum.

4.<sup>th</sup> Blood-letting sh<sup>d</sup>. be used during





## Inoculation

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the eruptive Fever when Circumstances require it such as full strong Pulse & other Inflam<sup>n</sup>? Symptoms. —

5.<sup>th</sup> Emetics are absolutely necessary to take off the febrile phlegm. Purgating Medicines do not answer so well as Emetics during the eruptive Fever.

6.<sup>th</sup> the use of Cold is of  $\gamma^{\text{e}}$  highest Importance in the eruptive Fever & is  $\gamma^{\text{e}}$  greatest Discovery of  $\gamma^{\text{e}}$  present Age. It takes off the Irritation from the Heat on the Skin & thus Alleviates the Inflam<sup>n</sup>? Diathesis <sup>wh</sup> we said before rendered the small pox more virulent. The amazing success <sup>wh</sup> has attended the



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new Mode of Inoculation depends entirely  
upon the free use of Cold. ~~as~~ there are  
some Difficulties from Theory in Account  
for  $\frac{1}{4}$  Operation of Cold in  $\frac{1}{4}$  small pox.

the Heat of the Body is in a compound  
Ratio of  $\frac{1}{4}$  generat<sup>d</sup> power in  $\frac{1}{4}$  Body  
&  $\frac{1}{4}$  Temperature of  $\frac{1}{4}$  external Air  
when the  $\frac{1}{4}$  is increased, the second  
must be diminished. Cold we grant  
induces the Inflam<sup>r</sup> Diathesis. but  
in a Fever it resists the Action of  
Cold, & don't operate as it does in  
Health. I have heard of few Instances  
of any Accidents from  $\frac{1}{4}$  use of this



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Regimen. so few as not in  $\frac{1}{2}$  Leach  
to invalidate ~~the~~ its Effects.

This is the great secret of  $\frac{1}{2}$  Pott-  
erians they likewise use Antimony  
& perhaps some Mercury with a  
great plenty of Acids, but these  
have little Effect in Comparison  
<sup>th</sup> w: the cold Regimen.

Should the Pock become confluent  
what must be done? Dr. Sydenham  
used nothing but Acids & Opium in  
such Cases. if we consider  $\frac{1}{2}$  the Liver  
depends so much upon Irritation  
we may easily conceive how useful



Journal

Sept 1st - Arrived at the  
house at 10 o'clock. The  
house is a small one room  
cabin. The furniture is  
very poor. The food is  
very bad. The people are  
very friendly. The  
climate is very hot.  
The night is very hot.  
The morning is very hot.  
The afternoon is very hot.  
The evening is very hot.  
The night is very hot.  
The morning is very hot.  
The afternoon is very hot.  
The evening is very hot.  
The night is very hot.

Sept 2nd - Arrived at the  
house at 10 o'clock. The  
house is a small one room  
cabin. The furniture is  
very poor. The food is  
very bad. The people are  
very friendly. The  
climate is very hot.  
The night is very hot.  
The morning is very hot.  
The afternoon is very hot.  
The evening is very hot.  
The night is very hot.  
The morning is very hot.  
The afternoon is very hot.  
The evening is very hot.  
The night is very hot.

Opium must be. if ever it does harm  
it is when given in too small Quan-  
tities the Vienna Physicians have  
followed Dr. Sydenham's Practice & <sup>th</sup> have  
great success. they gave it three  
times a day. Opium is safe in all  
Cases of suppuration after  $\frac{1}{2}$  Inflam<sup>n</sup>  
state is over. may not something  
else support the Fever? <sup>Besides Irritation?</sup> Yes - in the  
confluent Small pox there is a want  
of Inflam<sup>n</sup> & an Atonia of  $\frac{1}{2}$  System  
takes place joined w<sup>th</sup> a debilit<sup>n</sup> tendency,  
w<sup>ch</sup> increases this Atonia. here the Opi-  
um may act as a Stimulus & remove





the Atonia. Wine has lately been  
introduced w: <sup>the</sup> great success in  $\frac{2}{3}$  con:  
fluent small pox. it operates by  
obviating this Atonia we spoke of.

- at present we have less Recourse  
for Opium & generally have Recourse

to Antimon: Medicines. the  
use of these is very ancient in  $\frac{2}{3}$  small  
pox. a Physician at Berlin in:

introduced the  $\frac{2}{3}$  Imitic w: <sup>the</sup> great success  
about 50 years ago, but it was soon  
dropt again. It may be employed

at all seasons of  $\frac{2}{3}$  small pox w:  
advantage. I consider it as  $\frac{2}{3}$  most



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important Remedy ever introduced  
in the Cure of  $\frac{1}{2}$  small. pox.

L. Peruvian Bark. is another noble  
Medicine to promote Suppuration &  
to Obviate Putrefaction. we should  
have great Dependence on it in the  
small pox when of  $\frac{1}{2}$  ~~confluent~~<sup>laudable</sup> kind.

- I must here communicate a  
new Fact to you in Favour of the  
Peruvian <sup>Bark</sup>, when joined w<sup>th</sup>  $\frac{1}{2}$  Sweeten-  
ed Liqueur. Dr. James always gives  $\frac{1}{2}$   
Bark after he has procured a Re-  
mission by his powder. in  $\frac{1}{2}$  small  
pox therefore the  $\frac{1}{2}$  procures a Remission  
<sup>so that</sup> the Bark given immediately



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Afterwards <sup>rarely</sup> ~~at~~ fails of success  
 - I w<sup>d</sup> here observe that weak  
 Directions do no service. we must  
 always give it in powder, & in pretty  
 large Doses.

3<sup>d</sup>. The Application of L<sup>e</sup> is another  
 valuable Remedy in  $\frac{L}{y}$  confluent  
 Small-pox. it acts by obviating  
 Irritation & Putrefaction.

I shall conclude by observing  $\frac{L}{y}$ :  
 we are too Apt to give  $\frac{L}{y}$  Back w<sup>th</sup>  
 the view of promoting suppuration  
 When  $\frac{L}{y}$  pock are numerous. But  
 it may do Harm When  $\frac{L}{y}$  Few of



17  
The first of the  
year 1791 was  
a very dry one  
and the crops  
were much  
damaged by  
the drought.  
The second of  
the year was  
a very wet one  
and the crops  
were much  
damaged by  
the rain.  
The third of  
the year was  
a very dry one  
and the crops  
were much  
damaged by  
the drought.  
The fourth of  
the year was  
a very wet one  
and the crops  
were much  
damaged by  
the rain.  
The fifth of  
the year was  
a very dry one  
and the crops  
were much  
damaged by  
the drought.

the system is not very weak. our  
chief Dependence must here be laid  
on the cold Air when this is the  
Case. —

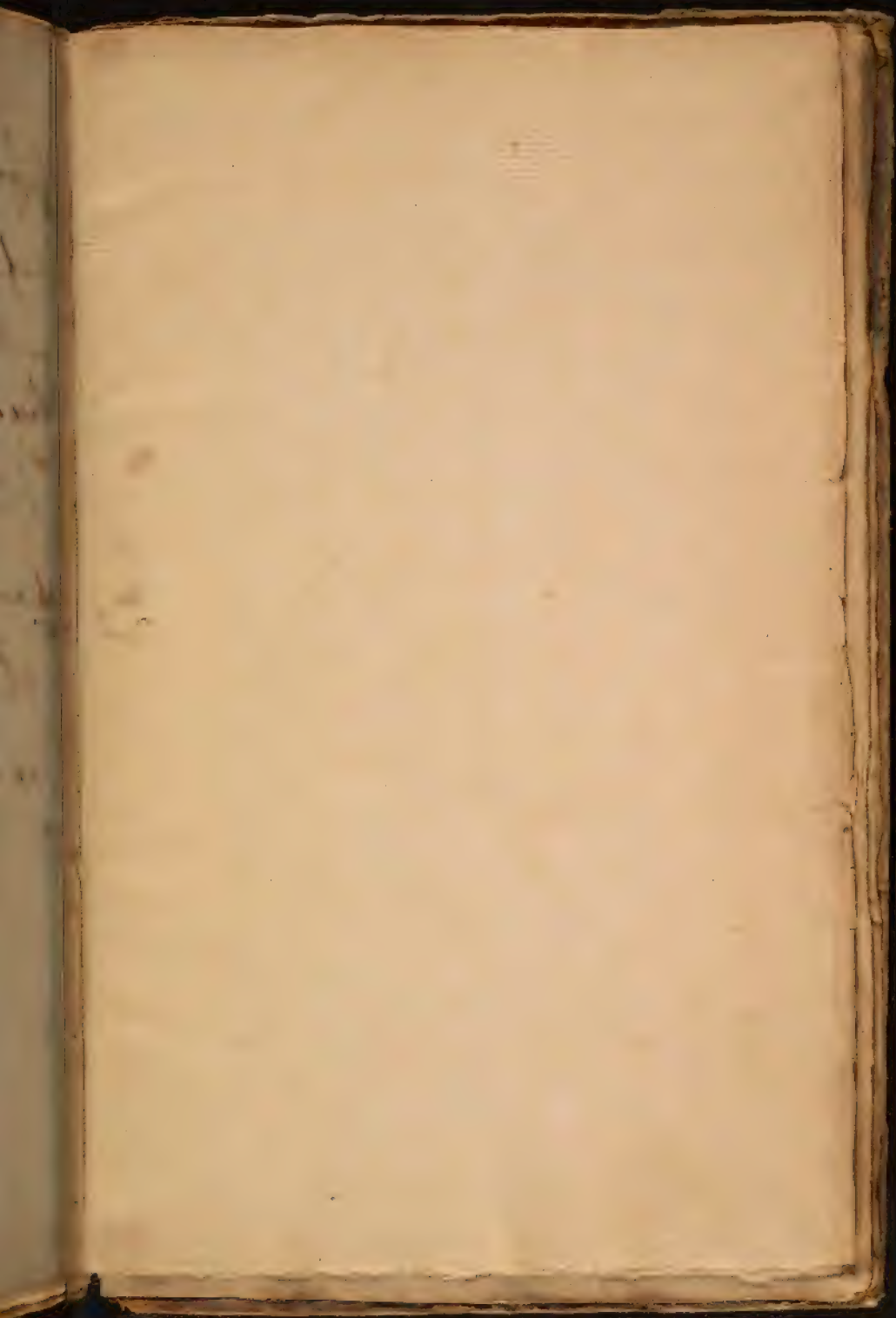
I have nothing new to say  
of any of the Other Zanthemata.  
- what has been said of <sup>the</sup> small-  
-pox will apply to most of them.



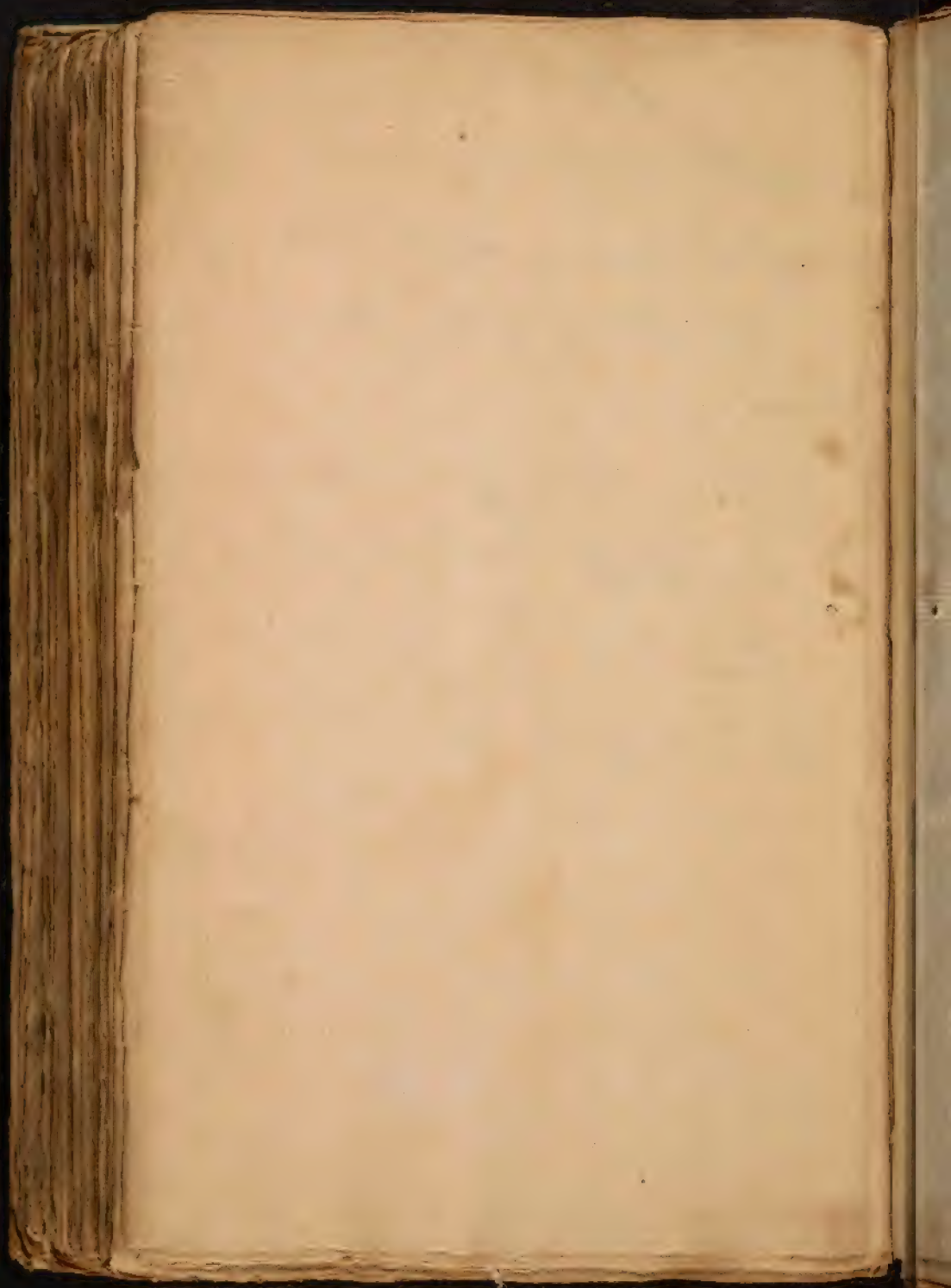
Feb 20

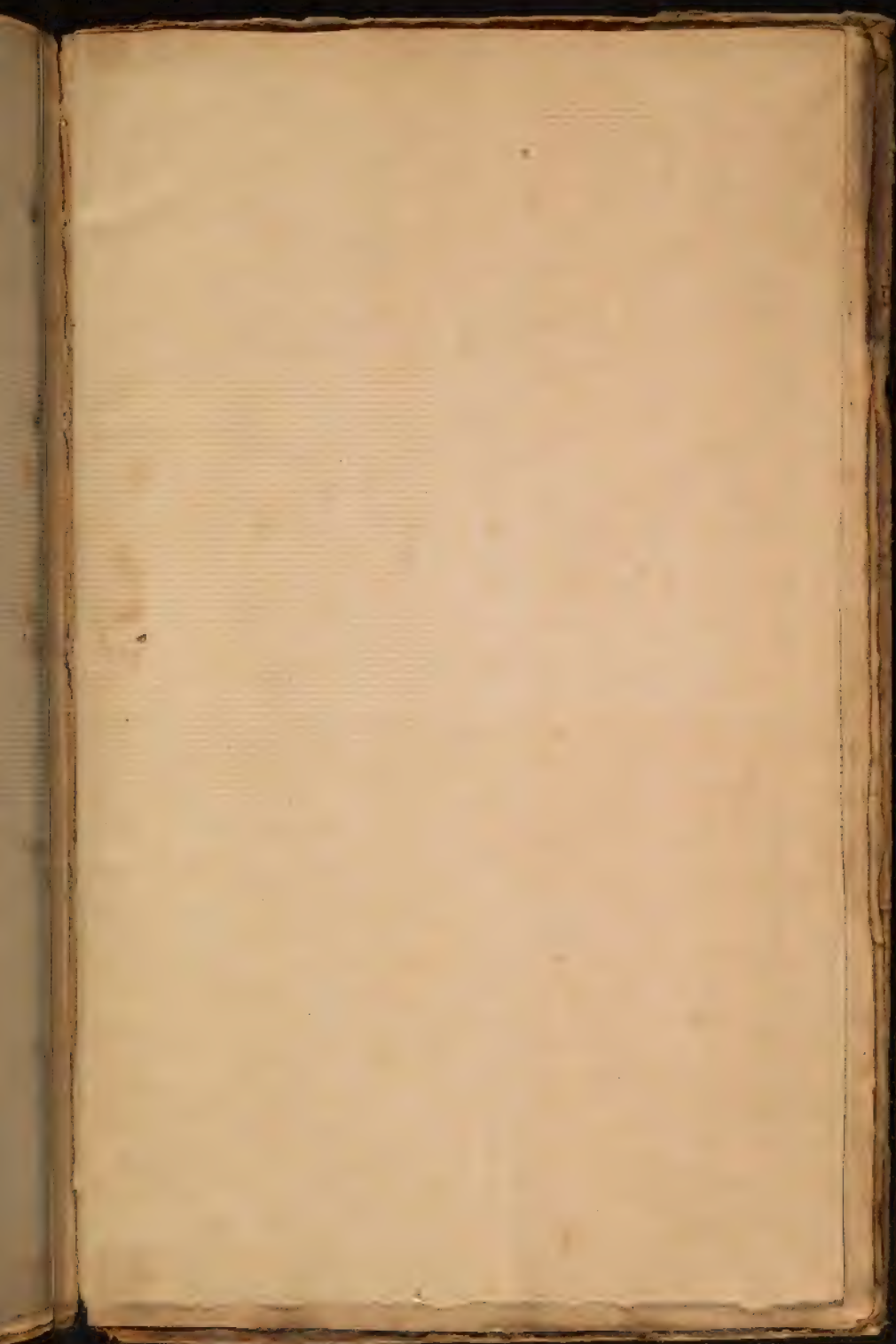
Received of Mr. J. B. Smith  
the sum of \$100.00  
for the purchase of land  
in the town of Smith  
County, Mo.

Witness my hand and seal  
this 20th day of February  
1880.



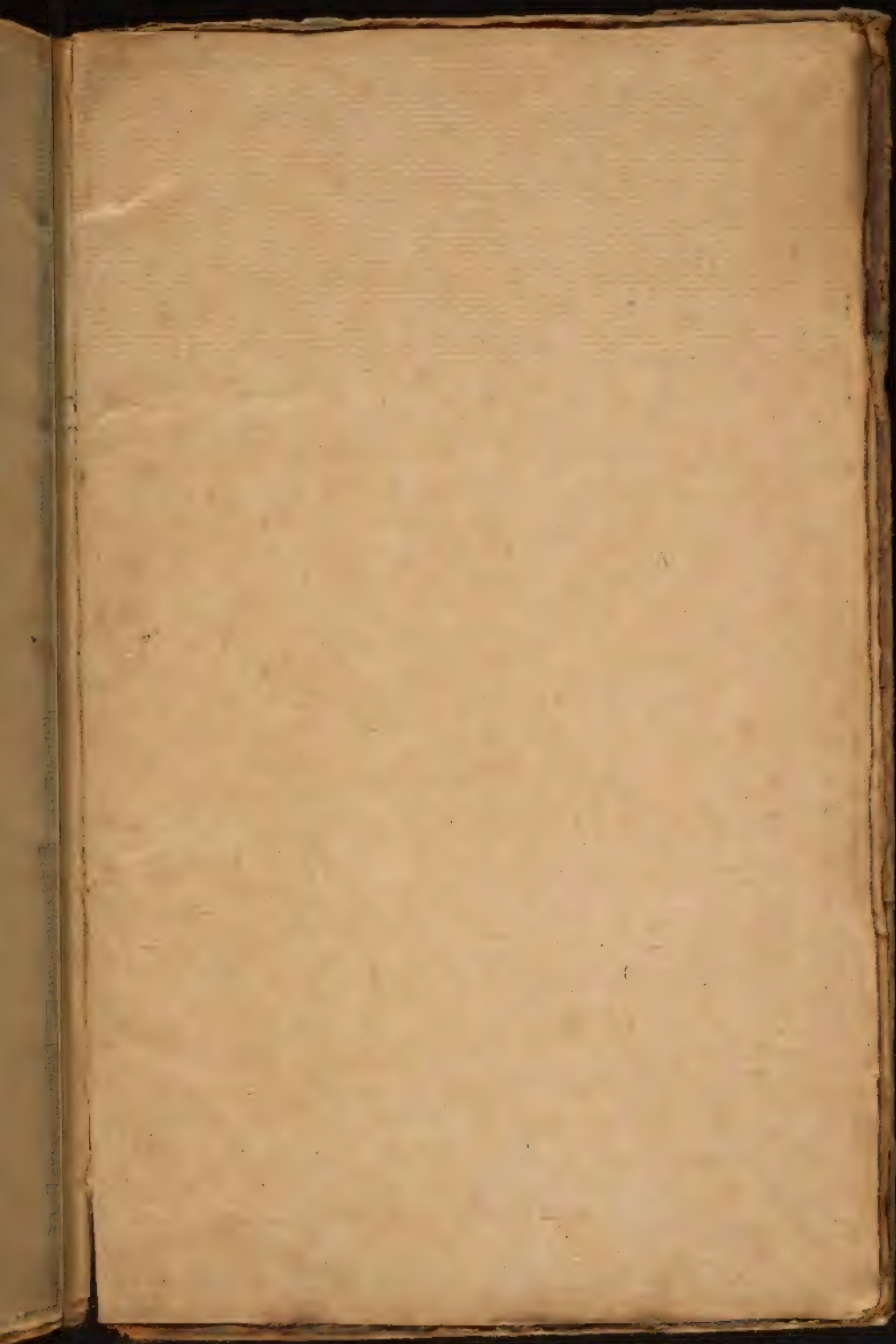




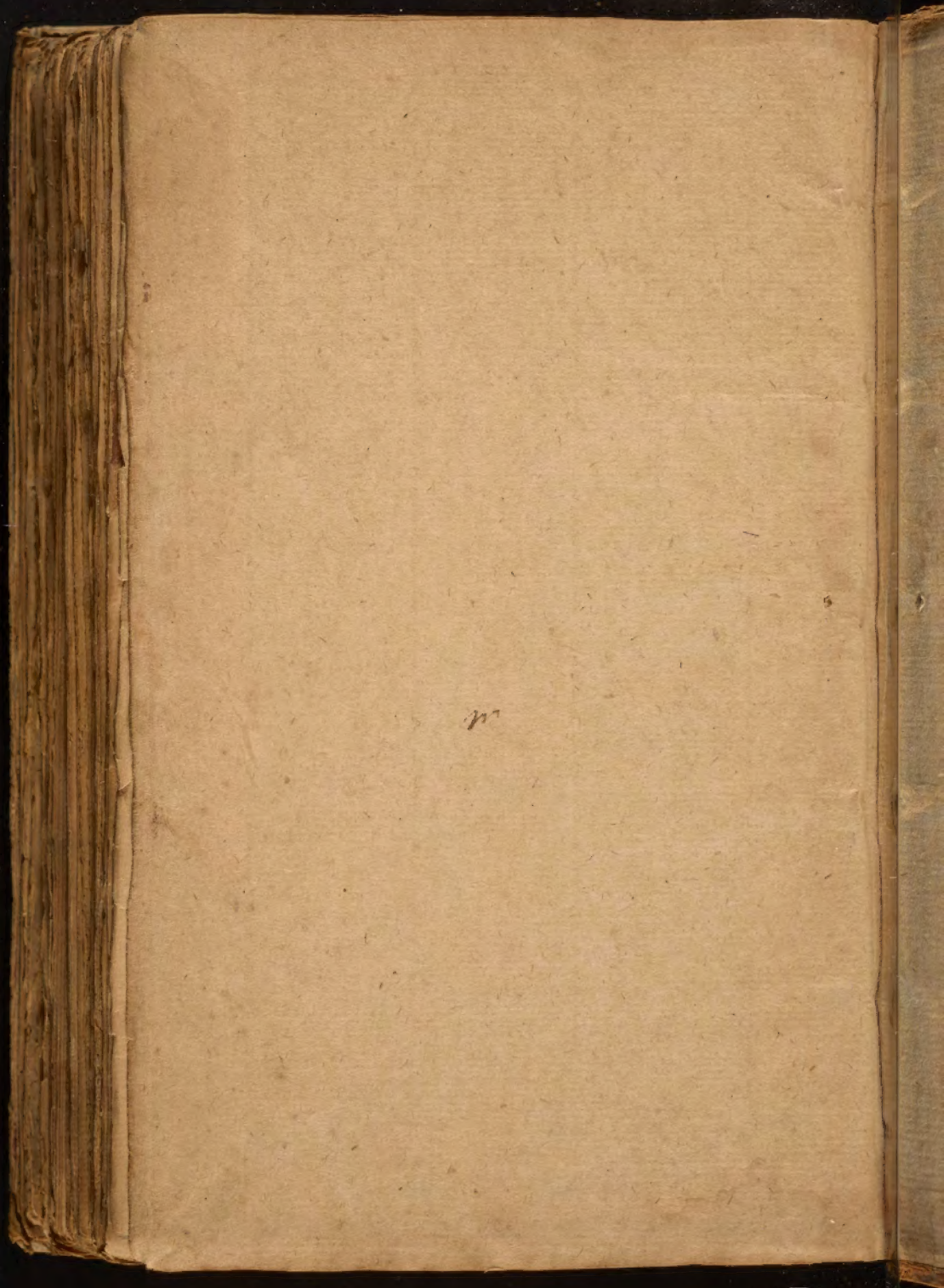




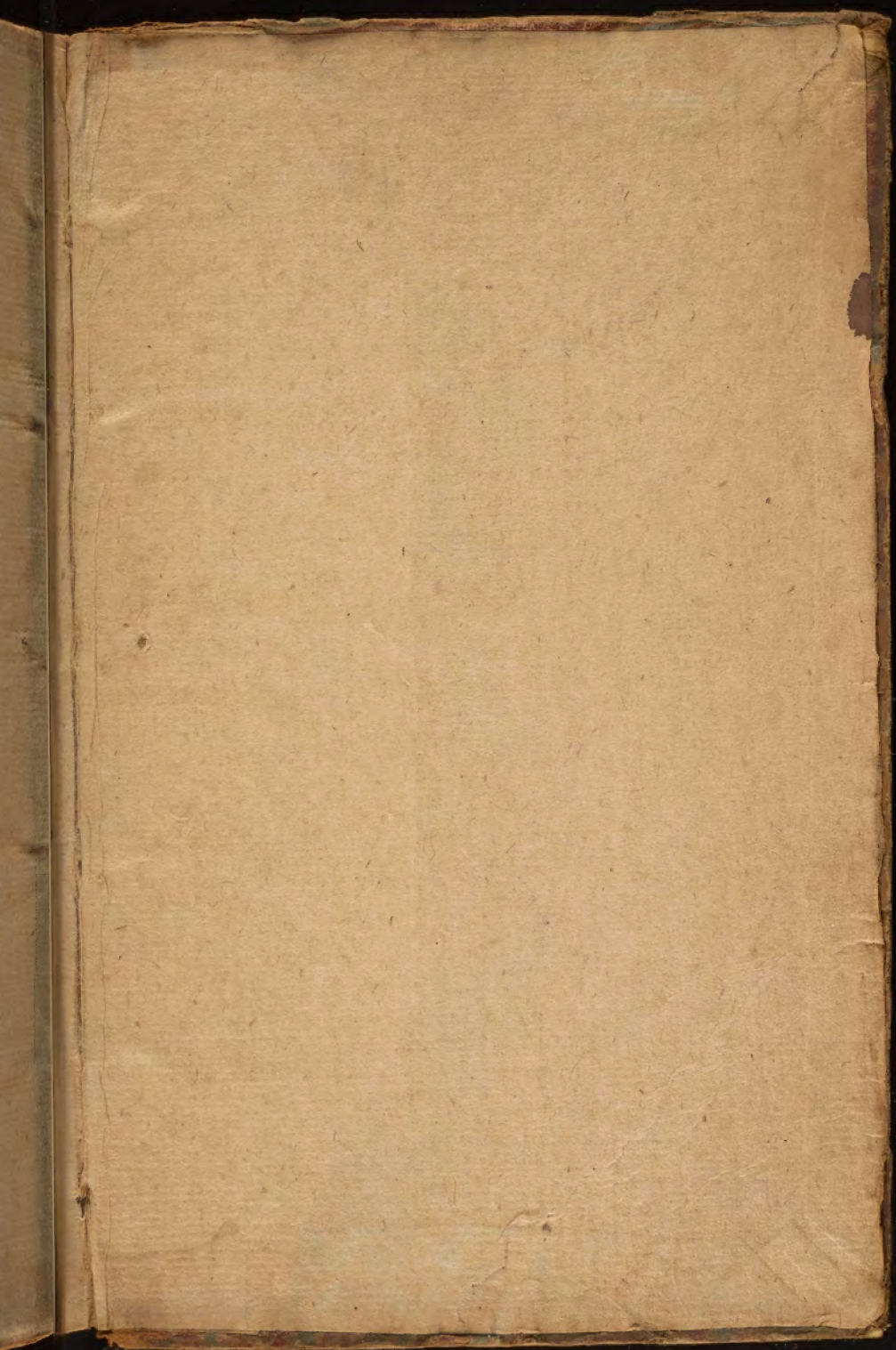




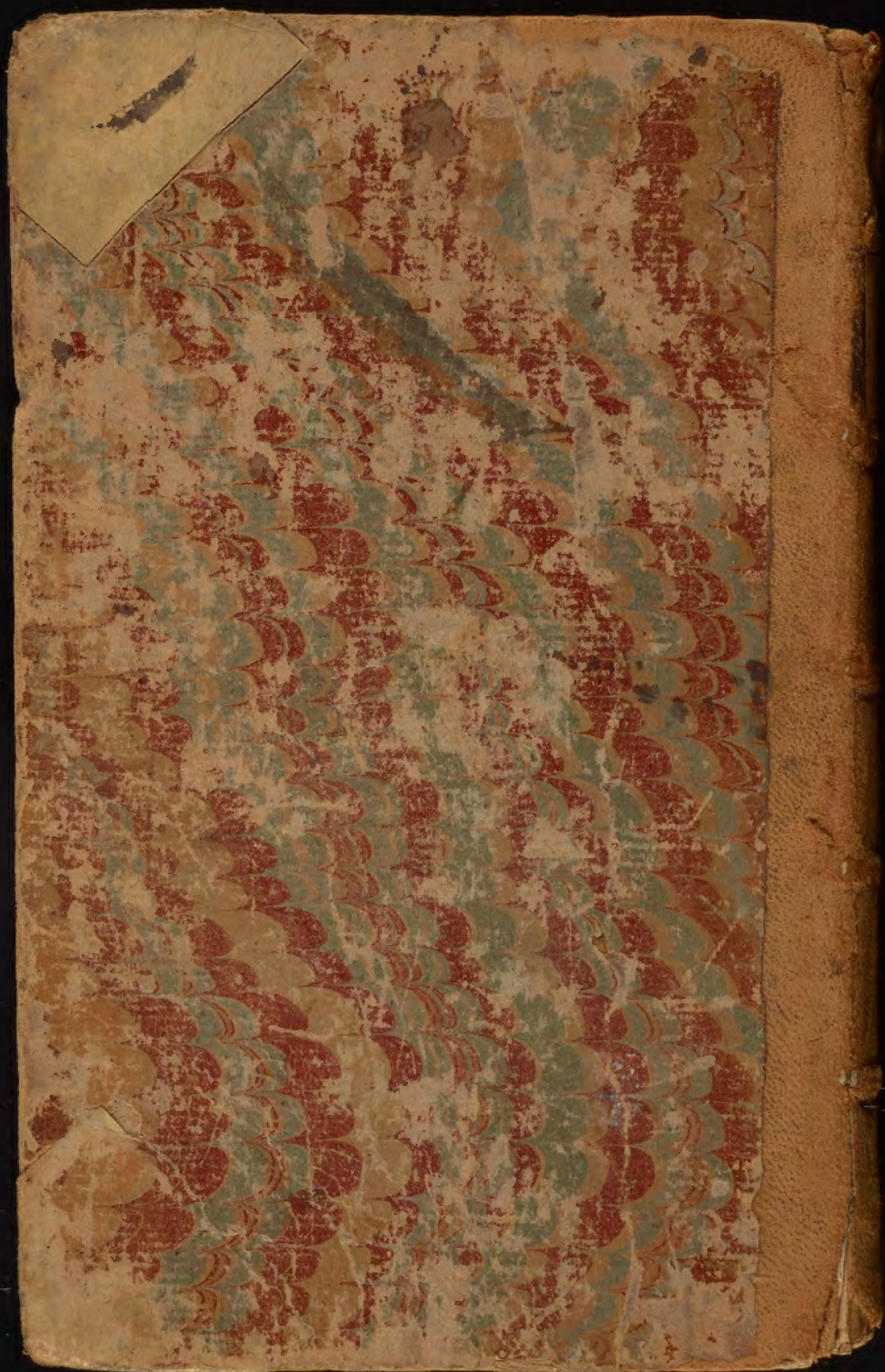












Cullen's  
practice  
Vol II